

# Collection 1

## Wildlife Information Center

### Series 1 - Legal Paperwork (Charter, Incorporation, Constitution, By-Laws, Tax Exemption, Charitable Organization Registration, Fictitious Name)

#### 1.1 Constitution and By-Laws

Folder 1 - Nov 10, 2010 constitution and by-laws; Jan. 23, 2012 constitution and by-laws

#### 1.2 Pennsylvania Dept. of State Registration

Folder 1 - 1991 charitable organization registration; 2005 required solicitation wording

#### 1.3 Pennsylvania Dept. of Revenue

Folder 1 – Tax exemption for PPL electricity, 2010

### Series 2 - Board of Directors (Meeting Agendas, Minutes, Strategic Planning)

#### 2.1 Agendas and minutes with meeting reports and documents

Folder 1 - 1986-1997

1986 - [no holdings]

1987 - [no holdings]

1988 - Jun, Dec agendas; DSH memo to Board re: wildlife fact sheet plans

1989 - Apr minutes

1990 - Jan, Aug agendas, minutes; Jan notes

1991 - Jan, Apr agendas; Jan notes; Apr, Jun minutes

1992 - Feb, Oct agendas, minutes

1993 - Feb, Jul agendas, minutes

1994 - Jan, Jul agendas, minutes; Mar inventory of WIC equipment; Sep DSH

letter to Board advising that he needs to be paid and will no longer

house WIC office in his home; Oct. DSH reply to Vice President Sinclair's

resignation letter

1995 - Jan, Jun agendas, minutes

1996 - Jan, Jul agendas, minutes; Apr minutes; list of projects that require  
funding

1997 - Jan, Jun agendas, minutes; Jan DSH memo to Board re: investing funds

Folder 2 - 1998-2003

1998 - Jan (2), May, Jul

1999 - Jan, Jun

2000 - Jan, Mar, Jun

2001 - Jan, Mar, Jun, Aug; Jan email Board vote re: check signatures

2002 - Jan, Feb, Jun, Jul; Apr email Board vote re: Hodson property purchase;  
email Board vote re: extension on purchase of Hodson property

2003 - Jan, Jun

Folder 3 - 2004-2008

2004 - Jan, Jun, Aug, Sep, Nov

2005 - Jan, Feb, May, Jun, Aug, Oct, Nov, Dec

2006 - Jan, Feb, Mar, May, Aug, Oct, Nov; Hoopes email re: WIC long-range  
planning, leadership

2007 - Jan, Mar, Jul, Aug, Dec

2008 - Jan, Feb, Apr, Jul, Sep, Nov; Aug email to Board canceling Aug meeting and attaching Jun and Jul executive director reports

Folder 4 - 2009-2013

2009 - Jan, Feb, Mar, Apr, Jun (2), Aug, Sept, Nov

2010 - Jan, Apr, May, Jun, Aug, Oct, Nov

2011 - Jan-May, Aug-Nov; Jan Board resignation letter from Jeff Frantz

2012 - Jan-Mar, May, Jul-Nov

2013 - Feb (2), Apr-May, Jul-Nov

Folder 5 - 2014-Jan-Apr, Jun, Aug-Nov

Folder 6 – 2015 – Feb-Nov

Folder 7 – 2016 – Jan-Nov

Folder 8 – 2017 – Jan-Nov

## **2.2 Strategic Planning**

Folder 1 - Strategic plans for 2012-2016, 2017-2021

## **Series 3 - Board of Directors Standing Committee Records**

### **3.1 Finance Committee**

Folder 1 – Investment Policy, 2005

## **Series 4 - Financial Statements and Tax Returns**

### **4.1 Yearly financial statements**

Folder 1 - 1986-1989

Folder 2 - 1991-1999

Folder 3 - 2000-2005

Folder 4 - 2006-2007, 2009

### **4.2 Federal Tax Returns (Form 990)**

Folder 1 - 1991 IRS letter re: exempt status; 1991; 1993 1099-Int statements; 1995; 1998; 1999

Folder 2 - 2000-2004

Folder 3 - 2005-2007

## **Series 5 - Financial Records (loans, mortgages, bank statements, checks, bills, etc.)**

### **5.1 Loans and Mortgages** (see also individual land purchases for mortgages and loans associated with a specific purchase)

Folder 1 - Christman loan, 2002; Leahy loan, 2002; Neuman Publicker Foundation loan, 2002

### **5.2 Receipts and Bills**

Folder 1 - 1993 Jan-June receipts

Folder 2 – 2007 ice/snow removal; 2009/2010 insurance bill

## **Series 6 - Fund Raising/Capital Campaign Activities and Donations**

### **6.1 Gala Fund Raising Party (Nov. 1990)**

Folder 1 - donation note for autographed Roger Tory Peterson book

### **6.2 Lehigh Gap Restoration Project (2002)**

Folder 1 - letters to members, former members, donors, and volunteers, with brochure, pledge form, and return envelope

### **6.3 Achieve the Vision Campaign (2006-2008)**

Folder 1 - Consultant : Markward Group contact information and notes; Secor Associates information, contract, bills in folder and campaign planning outline, discussion points list, campaign readiness surveys and updates (June, July 2007 and undated)

Folder 2 - Campaign Steering Committee agendas, meeting packets, minutes and campaign log book; capital campaign expenses

Folder 3 - Documents created to explain LGNC, its mission, goals, programs, and funding opportunities - Campaign Mission/Vision statement; Background and Objectives statement; 10 and 12 page campaign explanations; 2 page summary; What Makes LGNC Unique flyer; Giving Opportunities and Naming information; budget sheets; expense/donation sheet

Folder 4 - Letters of support for campaign and LGNC - school districts, municipalities, legislators, PA, EPA, organizations

Folder 5 - Campaign Materials, Donor Events, Foundations- folders, letter packets, brochures, pledge cards; VIP/Leadership Reception at PPL; Carbon County VIP list; Weidensaul reception and lecture

Folder 6 - Prospects lists - businesses, individuals, and foundations donations; donor correspondence

### **6.4 Leaf Tiles**

Folder 1 - design sketches, tri-fold brochure for outside display; bills from Pots By dePerrot for fabrication of display

### **6.5 Seed and Suet Sale, 2011**

Folder 1 -tri-fold brochure

### **6.6 Donations**

Folder 1 – Jane Goplerud estate

Folder 2 – Nationwide Foundation, 2017, \$100, in recognition of volunteer hours to LGNC by employee Ann Griffin

### **Series 7 - Grants (by year contract signed or grant awarded, except for multi-year funding sources)**

Folder 1 - list of grants 2003-2017

Folder 2 - Trexler Trust, 1997-2004

Folder 2A - Trexler Trust, 2005-2014

Folder 2B – Trexler Trust, 2015-2018

Folder 3 – Rider Pool Foundation, 1995- - grants to support educational programs, capital campaign, Color of Nature and Allentown gardens

Folder 4 - Cora Brooks Foundation, 2000-2008 - 7 grants for Bake Oven Hawk Count, Restoration Project, habitat gardens, infrastructure improvements, habitat re-vegetation and erosion control

Folder 4A - Cora Brooks Foundation, 2009-2015 - 3 grants for sampling docks and access trails, arboretum development, endowment

Folder 5 – Lehigh County Quality of Life Grants, 2005-

Folder 6 – Carbon County Hotel Tax Grants, 2008-2017 – paperwork for grants received in 2008, 2009, 2011, 2014, 2016, and 2017 to print LGNC brochures and maps, copy of brochure, National Pollinator Week

Folder 7 – Air Products Foundation, 1986-2018

Folder 8 – Century Fund, 2002, 2017-2019 – for Color of Nature and Allentown School District programs

Folder 9 – Julius & Katheryn Hommer Foundation, 2008-

Folder 10 – Martin Guitar Charitable Foundation, 2015-

Folder 11 – D & L Trail Alliance, 2013- - Sponsorship and Small Project grants

Folder 12 – Mickley Fravel Charitable Trust, 2008-

Folder 13 – Fowle Family Foundation, 2008- - Education center, Color of Nature

Folder 14 – Horsehead Community Development Fund, 1994-

Folder 15 – PPL, 2002-

### **7.1 - 1986-2001**

Folder 1 - 1997 PA Game Commission, \$10,500, Lehigh County endangered species list - funded

### **7.2 - 2002**

Folder 1 - DCNR Keystone/Growing Greener; Holt Family Foundation, \$1,000

Folder 2 - DCNC Community Conservation Partnerships (Washington Township application for \$133,300 towards purchase of Hodson property)

Folder 3 - PA DCNR Community Conservation Partnerships Program, \$265,000, for purchasing Van Norman, Snelling and Hodson properties, amended and extended (continued in next folder)

Folder 4 - PA DCNR Community Conservation Partnerships Program, \$265,000, for purchasing Van Norman, Snelling and Hodson properties, amended and extended (continued from previous folder)

### **7.3 - 2003**

Folder 1 - PA DEP Environmental Stewardship and Watershed Protection (Growing Greener), Lehigh Gap Restoration - not funded

### **7.4 - 2004**

Folder 1 - PA Dept. of Labor and Industry PennSERVE, \$20,000, AmeriCorps Planning Grant (continued in next folder)

Folder 2 - PA Dept. of Labor and Industry PennSERVE, \$20,000, AmeriCorps Planning Grant (continued from previous folder)

Folder 3 - PA Dept. of Community and Economic Development, 3 applications through Rep. McCall and Harhart and Sen. Rhoades - not funded  
- PA DEP Environmental Stewardship and Watershed Protection (Growing Greener), Lehigh Gap Erosion Stabilization and Restoration - not funded  
- PA DCNR Wild Resource Conservation Program, \$5,245, monitoring reproductive success of cavity nesting birds on metals contaminated restoration site - not funded

Folder 4 - PA Dept. of Conservation and Natural Resources Community Conservation Partnerships Program, \$15,000, for master site plan

## **7.5 - 2005**

- Folder 1 - PA Dept. of Labor and Industry PennSERVE, \$126,000, AmeriCorps Formula Grant - not funded
- Folder 2 - PA DCNR Wild Resource Conservation Fund, \$31,000, ecological inventory and assessment of Lehigh Gap Wildlife Refuge

## **7.6 - 2006**

- Folder 1 - US Environmental Protection Agency Brownfields Assessment, \$200,00 (lead by Palmerton borough)
- Folder 2 - PA Dept. of Environmental Protection Environmental Education Grant (with Palmerton Area School District)
- Folder 3 - PA Dept. of Labor and Industry PennSERVE, \$31,616, AmeriCorps Planning/Capacity Building Grant; not funded
- Folder 4 - PA Dept. of Conservation and Natural Resources Delaware and Lehigh National Heritage Corridor and State Heritage Park, \$40,000, master site plan implementation
- Folder 5 - PA Dept. of Conservation and Natural Resources Bureau of Recreation and Conservation Environmental Stewardship Fund, \$60,000, Audubon birding trail guide, selected eastern PA counties (Delaware & Lehigh National Heritage Corridor was the grantee, BRC-SR-12-5)
- Folder 6 - Audubon birding trail guide (cont.) - invoices
- Folder 7 - Audubon birding trail guide (cont.) - site information sheets
- Folder 8 - Audubon birding trail guide (cont.) - book distribution sheets
- Folder 9 - Audubon birding trail guide (cont.) - books and rack card
- Folder 10 - Audubon birding trail guide (cont.) - computer discs
- Folder 11 - PA Dept. of Conservation and Natural Resources, to develop statewide web site to promote wildlife viewing opportunities (Audubon PA grant; WIC partner; grant DCNR BRC 12-6)

## **7.7 - 2007**

- Folder 1 - PA Dept. of Community and Economic Development, \$17,000, site development of public access park; correspondence with Rep. McCall, contract, reports, bill for excavation by Livengood
- Folder 2 - PA Dept. of Community and Economic Development, \$10,000, infrastructure (roads and parking); correspondence with Sen. Rhoades (grant C000025048)
- Folder 3 - PA Dept. of Conservation and Natural Resources Community Conservation Partnership Program, \$13,500, purchase of Humanick property; [property was not acquired and grant disencumbered]
- Folder 4 - PA Dept. of Conservation and Natural Resources Delaware and Lehigh National Heritage Corridor and State Heritage Park, \$50,000, master site plan implementation, visitor center - request withdrawn
- Folder 5 - PA Dept. of Conservation and Natural Resources Wild Resource Conservation Fund, \$45,000, Lehigh Gap Wildlife Refuge Ecological Assessment, Part II (grant WRCP-07268)
- Folder 6 - Holt Family Foundation, \$10,000, Achieve the Vision Campaign  
- McLean Contributorship, \$25,000, infrastructure, facilities, programs, endowment

- Lehigh County Office of Community & Economic Development Tourism Grant, \$10,000, master site plan phase III

#### **7.8 - 2008**

- Folder 1 - PA Dept. of Community and Economic Development, \$8,000, access road and parking; bill for excavation by Livengood (grant C000031737)
- Folder 2 - PA Dept. of Community and Economic Development, \$10,000, septic system (grant C000032611)
- Folder 3 - PA Dept. of Environmental Protection Environmental Education, \$7,500, teacher training
- Folder 4 - PA Dept. of Community and Economic Development, \$100,000, exhibits, signage, research, education (grant C000032152)
- Folder 5 - US Dept. of Education, \$335,043, for education program development
- Folder 6 - Washington Township, \$30,000, access road/loop. trails, and parking (\$10,00 year for 3 years, 2008-2010) and in-kind services
  - Harleysville National Bank, \$15,000, signs, event calendar, trail maps, website, traveling display

#### **7.9 - 2009**

- Folder 1 - PA Dept of Environmental Protection Environmental Education, \$3,000, school environmental education programs, and \$14,000, teacher workshops; pre-applications; not funded
  - PA Dept. of Conservation and Natural Resources Wild Resource Conservation Fund, climate change effects on the Kittatinny Ridge at Lehigh Gap Nature Center (WRCP-09356, not funded)
- Folder 2 - PA Dept of Conservation and Natural Resources Bureau of Recreation and Conservation Community Conservation Partnership Program, \$200,000, construction of visitor center (grant BRC-PRD-14-187)

#### **7.10 - 2010**

- Folder 1 - PA Dept. of Environmental Protection Environmental Education, \$2,901, native plant workshops
- Folder 2 - PA Dept. of Environmental Protection Environmental Education, \$5,291, teacher workshops; not selected for grant

#### **7.11 - 2011**

- Folder 1 - Lehigh Valley Greenways Implementation, \$5,000, Kittatinny Ridge conservation training
- Folder 2 - PA Dept. of Community and Economic Development, \$30,000, laboratory classroom
- Folder 3 - PA Dept. of Environmental Protection Environmental Education, \$5,5000, phrenology monitoring in the classroom
- Folder 4 - DEP EE for student field trips - grant applications not funded

#### **7.12 - 2012**

- Folder 1 - PA Dept. of Environmental Protection Environmental Education, \$2,850, environmental club for high school students

- Folder 2 - PA Dept. of Environmental Protection Environmental Education, teacher training (not awarded)
- Folder 3 - National Audubon Society, \$16,900, TogetherGreen Innovation Grant for rare plants
  - Lehigh Valley Coalition for Kids, \$9000, Color of Nature

### **7.13 - 2013**

### **7.14 - 2014**

- Folder 1 - Pocono Forests and Waters Conservation Landscape, \$8,000, trailhead and arboretum
  - First Niagara Bank, funding for Speaker Series
- Folder 2 – Audubon, \$13,110, for Kittatinny Ridge Monitoring Project

### **7.15 – 2015**

- Folder 1 – Thrivent Financial Action Team, \$250, to purchase native plants for Migration Festival on Sep. 19, 2015

### **7.16 – 2016**

- Folder 1 – Lehigh Valley Greenways, for Roberto Clemente Charter School restoration in Fountain Park along Jordan Creek
  - National Penn Bank, letter, Nov. 3, 2015, requesting for \$10,000 EITC donation for school programs for 2015/2016 school year
  - Audubon Pennsylvania, \$27,000, to complete Fire Impact Study and Climate and Energy Strategy on Kittatinny Ridge

### **7.17 – 2017**

- Folder 1 – STAR Foundation, \$5000, to fund school trips
- Folder 2 – Lehigh Valley Greenways, Coloring the Conservation Conversation expenses for Drew Lanham
- Folder 3 – Lehigh Valley Greenways, \$4000, Watershed Education
- Folder 4 – BB&T, \$800, Speaker Series sponsorship
- Folder 5 – PA Dept. of Environmental Protection, Middle School Teacher Watershed Training

### **7.18 – 2018**

- Folder 1 – Iron Pigs Charities, \$1000, for Conservation Leadership Academy Lehigh River Exploration Day
- Folder 2 – Lehigh Valley Greenways, \$5000, Conservation Landscape Mini Grant for Color of Nature Conservation Leadership Training

## **Series 8 - Membership and Volunteers**

### **8.1 Membership Forms and Lists**

- Folder 1 - membership brochures

### **8.2 Volunteer Forms, Lists, and Information**

Folder 1 - 2005 Eagle Scout program for Douglas Beam; 2010 focus group list; Bertha Griffith obituary

**Series 9 - Membership Publications (Newsletters, etc.)**

**9.1 Wildlife Activist (Membership Newsletter)**

Folder 1 - no. 1-20 (June 1987-April 1994)  
Folder 2 - no. 21-35 (Aug 1994-April 1999)  
Folder 3 - no. 36-45 (Aug 1994-summer/fall 2002)  
Folder 4 - no. 45-55 (spring 2003-spring 2006)  
Folder 5 - no. 56-65 (summer 2006-winter 2009/2010)  
Folder 6 - no. 66-73 (summer 2010-summer 2013)  
Folder 7 - no. 74-80 (winter 2013/2014-winter 2016/2017)  
Folder 8 – no. 81- (autumn 2017-)

**9.2 Lehigh Gap Update (Friends Newsletter)**

Folder 1 - no. 1-27 (summer 2004-autumn 2018)

**Series 10 - Employee Records**

**10.1 Executive Director Activities**

Folder 1 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, June 14, 2004-Sep. 22, 2005 (2 notebooks)  
Folder 2 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, Sep. 26, 2005-Sep. 18, 2007 (2 notebooks)  
Folder 3 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, Sep. 25, 2007-Oct. 13, 2010 (2 notebooks)  
Folder 4 - Daily logs of activities, meetings, events, to do lists in loose leaf notebooks, Oct. 18, 2010-June 4, 2013  
Folder 5 – payroll, 2<sup>nd</sup> quarter 2015

**10.2 Other Employees**

Folder 1 – Unemployment compensation claim for Kathleen Kapila, 2014

**10.3 Employee Training, Workshops, Seminars, etc.**

Folder 1 - Audubon Pennsylvania Nature Tourism Training Workshop workbook, April 2005; Together Green Conservation Leadership Program flyer  
Folder 2 - Successful Environmental Education Grant Writing Strategies workshop, Nov. 2009

**10.4 Employee Awards, Honors, Recognitions**

Folder 1 -Lehigh County Commissioners resolution honoring Dan Kunkle, 2005 no. 26 (in presentation folder)  
Pennsylvania House of Representatives citation to Kunkle for Carbon County Chamber of Commerce Citizen of the Year Award, 2010  
Folder 2 - Senate of Pennsylvania congratulations to Kunkle for Friend of Lehigh River award, 2017  
Morning Call newspaper clipping, July 20, 2017, about Friend of Lehigh River award

## **Series 11 - Correspondence**

- Folder 1 - letter, Donald Heintzelman to Dan Kunkle, Sep 5, 1990 with comments on BOK hawk watch and birders postcard, J. Belwood, Austen, TX, to WIC, Jan 1991 requesting information about WIC letter, Donald Heintzelman to Eugene Zielinski, Bellefonte, PA, Aug 9, 1991, WIC joins PA Society for Ornithology and inquiry about back issues of Society newsletter postcard, Lisa Winn-Kipp, San Luis Obispo, CA, to WIC, Mar 1993, requesting information on wildlife conservation and careers in wildlife
- letter, F. Eugene Hester, National Biological Survey, to Donald Heintzelman, Mar 22, 1994, on using volunteer collected data and data collection efforts
- letter, director of US Fish and Wildlife Service, to Donald Heintzelman, Jul 1, 1994, about designating Kittatinny National Raptor Flyway
- email, Kunkle to Debbie, research on pigeon navigation
- letter, Donald Heintzelman to Dan Kunkle, Dec 20, 1998, criticizing content of American Hawkwatcher and Kunkle's editing of journal; Dec 21 email response from Kunkle; Dec. 21 Heintzelman letter with further criticism
- Folder 2 – letter, Barbara Davis, Air Products Parents Association, Feb. 6, 2002, requesting information about WIC summer camps for company's summer camp brochure
- letter, Michael DiBerardinis, DCNR, thanking people and organizations for input during 3 month tour of state, Sept. 26, 2003
- letter, Nancy Selisky to LGNC, offering to donate old photographs of Gap area
- email from DiBerardinis inviting WIC to participate in conservation dialogue meeting, 2006
- letter, Ruthann Schlecht to WIC, Oct. 28, 2010, about Devil's Pulpit with 3 photos
- letter, Ed at Absolute Enterprize to WIC, Sep. 26, 2011, offering to donate chimney cleaning services as raffle prizes
- letter, Jerry Regan, Hawk Mountain Sanctuary to Sherry Acevedo, D&L Heritage Corridor, July 24, 2012, supporting LGNC application for LV Greenways mini-grant funding
- letter, Peter Kern, Apr. 10, 2014, regrets unable to attend panel discussion on remediation of Superfund site and extends thanks for work of CBS and EPA

## **Series 12 - Records of Programs, Projects, Events, and Public Service Sponsored by WIC (no research)**

### **12.1 - 1986-1990**

- Folder 1 - Pennsylvania Raptor Conference 1987
- Folder 2 - National Birds of Prey Month proclamation, 1986; Pennsylvania Hawk Watching Week proclamation, 1986
- Folder 3 – Testimony by Kunkle at DER public hearing on proposed wetlands regulations, 1990 (with background material)
- Folder 4 – Low-Altitude Aircraft Flight Data reporting sheet to record wildlife disturbance aircraft;

### **12.2 - 1991-1995**

- Folder 1 – Kittatinny Raptor Corridor Project – 1993 news release about slide presentation; reading script and 77 slides in 4 sleeves

- Folder 2 – Kittatinny Raptor Corridor Project (abridged presentation) – reading script with notes; notes for presentation; 57 slides in 3 sleeves and reading script used in program presented to Slatington Women’s Club
- Folder 3 – Kittatinny Raptor Corridor Project (expanded presentation with 2 New York slides) – reading script and 80 slides in 4 sleeves
- Folder 4 - Ecotourism: A 21st Century Wildlife Opportunity Slide Show - 57 slides in 3 sleeves used in program presented about 1995; includes Kittatinny Raptor Corridor Project; 1 sleeve of extra slides
- Folder 5 - Crisis At Bake Oven Knob: A Proposed Incinerator's Environmental Threats - slide presentation with 40 slides and reading script, presented about 1995
- Folder 6 – Crisis in Lynn Township: Lynn Township Water Dispute – slide presentation with 42 slides in 3 sleeves
- Folder 7 - Kittatinny Raptor Corridor Educational Handbook letter to librarians and non-profits, 1994

**12.3 - 1996-2000**

- Folder 1 - PA Hawk Watching Week proclamation, 2000

**12.4 - 2001-2005**

- Folder 1 - 2002 Young Ecologists Summer Camp brochure
- Folder 2 - PA Hawk Watching Week proclamation, 2001; PA Bird Day proclamation, 2002; Wildlife Refuge Tour, 2003

**12.5 - 2006-2010**

- Folder 1 - 2010 Calendar of events tri-fold brochure
- Folder 2 - PA Hawk Watching Week, 2010

**12.6 - 2011-2015**

- Folder 1 - 2011: Calendar of events tri-fold brochure; Migration Fest tri-fold brochure
- 2012: Calendar of events tri-fold brochure; Three Ponds Photography workshop by Dave Levandusky program outline and attendance sheet, Mar 22; National Trails Day flyer
- 2014: Nature in Photographs Show brochure and sign
- 2015: Nature in Photographs Show brochure

**12.7 - 2016-**

- Folder 1 – 2016 Conservation Leadership Academy trifold brochure; 2017/2018 Speaker Series trifold leaflet; 2018 Calendar of Events trifold leaflet; 2018/2019 Speaker Series trifold leaflet; 2018 December 1 Holiday Open House flyer

**Series 13 - Publicity and Promotion**

**13.1 News Releases**

- Folder 1 - 1986-1993
- Folder 2 - 1994-1997
- Folder 3 - 1998-2001
- Folder 4 - 2002-2005

**13.2 Material by WIC for use by other media outlets and public presentations**

Folder 1 - 2 letters to the editor by Kunkle, 1998-1999; 2007 Morning Call op-ed article by Kunkle; 2008 article in A.T. Journeys  
Folder 2 - 2 display presentations titled "The Lehigh Gap Restoration Project and Kittatinny Park at Lehigh Gap" (33 leaves with photos and text on card stock; and 4 leaves condensed version)

### **13.3 Articles about WIC written or published by others**

Folder 1 – 1998, 2003

### **13.4 Branded Merchandise, stationery, promotional items**

Folder 1 - T-shirts with WIC name and www.wildlifeinfo.org web site (tan and light green) [in box on top of cabinet]  
Folder 2 – WIC brochure, likely 1996-2001; brochure, June 2003, electronic file on 4 1/2 inch CD; bookmark encouraging reading, with sponsorship by East Penn Bank  
Folder 3 - Lehigh Gap Wildlife Refuge logo artwork and electronic copy on 4 1/2 inch disc (no date) ; note card with Lee Slivak painting, 2016  
Folder 4 - Stationery samples

## **Series 14 Publications**

### **14.1 American Hawkwatcher**

Folder 1 - no. 11-25, 1987-1999  
Folder 2 - no. 26-35, 2000-2010  
Folder 3 - no. 36-44, 2011-2019

### **14.2 Educational Hawkwatcher**

Folder 1 - no. 1-3 (July 1987-Aug 1989)

### **14.3 Wildlife Conservation Reports and Special Reports**

Folder 1 - no. 1-10 (1986-1990); June 1994 special wildlife report about the Pinnacle; June 1995 special report about ecotourism and hawkfest plan for Bake Oven Knob  
Folder 2 - Kittatinny Raptor Corridor Project brochures (About the Kittatinny Raptor Corridor Project and Bake Oven Knob: A Special Wildlands Place (4 p. leaflets, 1993-1996)

### **14.4 Educational Publications**

Folder 1 – list of educational resources produced by WIC, 1991  
undated brochures: Aquatic Habitats; Butterflies; Terrestrial Habitats; Lehigh Gap Nature Center; Eastern Pennsylvania Phenology Project; Assessment of Metals in the Environment Near Palmerton, PA  
2009 brochure: Grassland Enhancement Project  
Folder 2 - trail brochures: Prairie Warbler Trail; LGNC Trail Map; Northern Lehigh Trail System

## **Series 15 - Research conducted by WIC, under WIC auspices, or on WIC property [for Bake Oven Knob Hawk Watch, see Collection 8]**

### **15.1 Wood Thrush and Ovenbird Surveys, 1991-1992**

Folder 1 - Carbon County, various locations, May-July 1991 and May-June 1992

### **15.2 Roadside Raptor Survey, 1992-1993**

- Folder 1 - Lehigh Gap, Feb. 25, 1992-May 28, 1993
- Folder 2 - Lehigh Gap vicinity, May 5-Sep. 2, 1992
- Folder 3 - East Penn Township, Mar. 1-Oct. 31, 1992
- Folder 4 - Mountain Road, Heidelberg Township, Apr. 11-Nov. 30, 1992

### **15.3 Winter Bird Survey in Bake Oven Knob Area, 1997-**

- Folder 1 - Survey results, 1997-1998, 2000-2009, press releases and press coverage, survey pages

### **15.4 Lehigh Gap Area Feeder Watch** [title varies: Bake Oven Knob Area Winter Bird Feeder Watch, 1997; Winter Bird dropped from title after first year; in 2006 name changed to Lehigh Gap Area Feeder Watch]

- Folder 1 - 1997 summary sheet, individual reports
- Folder 2 - 1998 summary report, publicity, individual reports
- Folder 3 - 1999 summary report, publicity, letter to participants, individual reports
- Folder 4 - 2000 summary report, publicity, individual reports
- Folder 5 - 2001 summary report, publicity, letter to participants, individual reports
- Folder 6 - 2002 individual species numbers, letters to participants, individual reports
- Folder 7 - 2003 summary report, letter to participants, individual reports
- Folder 8 - 2004 individual species report with 8 year summary, participant letters, individual reports
- Folder 9 - 2005 species and individual report summaries, 9 year summary, individual reports
- Folder 10 - 2006 individual species with 10 year summary, letter to participants, individual reports
- Folder 11 - 2007 summary report, participant letter, publicity, individual reports
- Folder 12 - 2008 summary report, news release, individual reports
- Folder 13 - 2009 summary report, individual reports
- Folder 14 - 2010 summary report
- Folder 15 - 2011 individual reports
- Folder 16 - 2012 summary report, letter to participants, individual reports
- Folder 17 - 2013 summary report, individual reports
- Folder 18 - 2014 summary report, individual reports
- Folder 19 - 2015 summary report, individual reports
- Folder 20 - 2016 summary report, individual reports
- Folder 21 - 2017 21 year summary sheet, individual reports

### **15.5 Lehigh County Biodiversity Project, 1998-1999** (bird survey)

- Folder 1 - letters to park managers, grant application to Lehigh County, parks chosen for survey, instruction and data sheets, returned data sheets

### **15.6 Bluebird Project, 1999-2002, 2008-2009**

- Folder 1 - 1999-2002 forms, publicity, correspondence, Beltzville data; 2008-2009 Beltzville reports

### **15.7 Red-tailed Hawk Color-marked Study, 2000-2004**

- Folder 1 - Study Proposal, Publicity, Correspondence
- Folder 2 - Background Research
- Folder 3 - Color marking data and photos of marked birds
- Folder 4 - Field Observations 2000
- Folder 5 - Field Observations 2001
- Folder 6 - Field Observations 2002
- Folder 7 - Field Observations 2003-2004
- Folder 8 - Field Observation Emails 2000-2004
- Folder 9 - Data Results, Research Papers

#### **15.8 Blue Mountain Raptor Counts, 2002**

- Folder 1 - Sightings reports at Lehigh Gap, Mar. 6-May 2, 2002 (except 3 hours at Lehigh Furnace Gap on Apr. 7)

#### **15.9 Rare and Forgotten Flora Project, 2013**

- Folder 1 - press release, lecture notes, lists of plants, records of applicants to participate, participant reports, expense report and evaluation notes

#### **Series 16 - Awards to WIC**

- Folder 1 - 2006 Congressman Charles M. Dent Certificate of Special Recognition to Wildlife Information Center and Delaware and Lehigh National Heritage Corridor (certificate)
- Folder 2 - 2006 Pennsylvania Senate Congratulations to Wildlife Information Center (sponsored by Robert Wonderling and James Rhodes in recognition of WIC's 2005 US Department of the Interior Cooperative Conservation Award)
- Folder 3 - 2006 Pennsylvania House of Representatives Citation to Wildlife Information Center (citation sponsored by Julie Harhart and Keith McCall in recognition of WIC's 2005 US Department of the Interior Cooperative Conservation Award)
- Folder 4 - 2007 Pennsylvania Society for Ornithology Conservation Award to Dan Kunkle and the Board of the Lehigh Gap Nature Center (letter and certificate)
- 2007 Northeast Pennsylvania Environmental Partners Environmental Partnership Award to Dan Kunkle and the Lehigh Gap Nature Center (letter from Pennsylvania Environmental Council and certificate of recognition from State Senator Elizabeth Baker)
- 2009 Delaware and Lehigh National Heritage Corridor Stewardship Award to Lehigh Gap Nature Center (certificate from State Representative Julie Harhart)

#### **Series 17 - Real Estate Records and Easements**

##### **17.1 Beltz Property** (east side of Bake Oven Road, Heidelberg Township, 2001, 3 acres)

- Folder 1 - title search, settlement statement, deed, title insurance, donation valuation letter to seller, tax assessment appeal

##### **17.2 Hodson Property** (Washington and East Penn Townships, 2002, 13 acres)

- Folder 1 - Appraisal, title search, zoning, water testing, appraisal, settlement, mortgage from Nature Conservancy, Growing Greener deed restriction, tax assessment appeal, Nature Conservancy mortgage, Viacom mortgage, parcel description for 3.61 acre tract with house and barn, zoning appeal and decision; flood plain map

**17.3 Strohl Deed Restriction Release** (Washington Township, 2002)

Folder 1 - Deed Restriction Release on Hudson Property and correspondence with Strohls related to property issues, 2005-2007

**17.4 Snelling Property** (East Penn, 2003, 441 acres)

Folder 1 - deed history, assessment information, handwritten notes by Kunkle, agreement of sale, WIC resolution to authorize purchase, appraisals, deed, settlement statement, Snelling 1993 mortgage settlement, title insurance, tax assessment appeal; Viacom loan

**17.5 Van Norman Property** (East Penn, 2003, 282 acres?)

Folder 1 - installment agreement, tax information, title search with old deeds and maps, appraisals, WIC resolution to authorize purchase, settlement statement, deed, tax assessment appeal; Norcross loan; letter to East Penn police authorizing enforcement of all laws

**17.6 Hodson, Snelling and Van Norman boundary determinations** from other deeds and surveys

Folder 1 - outline reference map of properties; Carbon Engineering map of co-ordinates, bearings, and distances from deeds, 4 versions July 21, 2003, July 31, 2003 (small and large copies), Mar. 1, 2004, and May 25, 2004; railroad right of way maps, Lehigh-Carbon line to Rt. 895, from PennDOT; PA Turnpike letter and State Game Land 217 map, 1999

**17.7 Properties Not Purchased and Land Records**

Folder 1 – Washington Township properties – Stednitz and Mazepa, 1994-1996

Bake Oven Knob area – 2000 inquiries into availability, property owners, maps

Folder 2 - Humanik Property (East Penn Township, 2007, 1 acre) - appraisal package, Carbon County Commissioners resolution

Folder 3 - CBS Donation inquiry (Lower Towamensing, 2009, 1000 acres) - letter, Kunkle to O'Gurek, about possible CBS donation

Folder 4 – Carbon County properties – Hauser, 1998, 2 properties off of Sunset Road, west of PA Turnpike – Carbon County property information and maps

- Semmel, 1998, 2 properties off of W. Lizard Creek Road – Carbon County property information and maps

Folder 5 – Lehigh County Property Assessments for Kittatiny Mountain Study, 2002 – data sheets and maps

Folder 6 – Carbon County and Northampton County Property Assessments for Kittatiny Mountain Study, 2002 – data sheets and maps

**17.8 Gause Property** (East Penn, 2014, 1.6 acres)

Folder 1 - appraisals, title insurance, deed, settlement statement, mortgage, appraisal, revised unsigned deed, appraisal report, WIC resolution to purchase, letter to Gause, mortgage satisfaction, deed, title insurance, legal bill, tax assessment appeal

**17.9 Huffman Property** (lots in East Penn Township, 2013 tax sale)

Folder 1 - information from Carbon County Tax Claim Bureau, map

**17.10 Mineo Property** (Bushkill Township, 2015-2016, 21 acres)

Folder 1 - appraisal, settlement, Clean and Green application; sale of parcel to Bushkill Township

**17.11 Burkit Property** (Lower Towamensing Township, 2016, 103 acres)

Folder 1 - Tax Bureau Deed, Carbon County to Burkit, 2011; deed, settlement, charitable contribution statement; tax assessment appeal

**17.12 PPL Easements**

Folder 1 – photocopy of Hailer Strohl easement, 1948; 2007 site development plan maps and encroachment agreement, 2013 easement agreement, 3 maps

**17.13 Washington Township Easement, 2007**

Folder 1 - Conservation, restoration and maintenance easement, WIC to Washington Township, for tax map properties ID 23-A06 002-007 and 20-A06 001-007, Feb. 20, 2007

**17.14 Lehigh County Easements, 2008**

Folder 1 - two easements for sanitary sewer and access, Lehigh County ordinance 2007-39, map, letter with deed description of proposed easement

**Series 18 Land Remediation and Restoration**

**18.1 EPA Studies of Superfund Site and Previous Remediation Efforts**

Folder 1 - 1995 press release about Horsehead environmental violations settlement  
1995 evaluation of restoration success at Blue Mountain, 39 p.  
1999 report on 1997 tree plantings at Palmerton, power point printout, 5 p.  
EPA press release about Palmerton Superfund site, c2000?

Folder 2 - Natural Resource Damage Assessment and Restoration Program booklet  
Correspondence, newspaper clippings about Superfund site, 2002-2005  
Preassessment Screen Determination for the Palmerton Zinc Pile Superfund Site,  
Dec. 2003, 27 p.  
Palmerton Zinc Pile Superfund Site Natural Resource Damage Assessment Plan,  
July 2005, 41 p.  
US Dept. of Justice press release about natural resource damage settlement,  
2009

**18.2 Re-vegetation and Restoration (Lehigh Gap Restoration Project)**

Folder 1 - Endorsements, Correspondence, Planning, etc.  
Endorsement letters from Audubon Pennsylvania, Carbon County  
Commissioners, Delaware and Lehigh National Heritage Corridor, East  
Penn Township, State Rep. Julia Harhart, Hawk Mountain, Lehigh  
County Dept. of Planning, State Rep. Keith McCall, State Sen. James  
Rhoads, Washington Township, Wildlands Conservancy  
Names, affiliations, business cards of individuals involved in restoration  
National Park Service/D & L Trail Meeting presentation outline, Feb. 2002

Lehigh Gap Restoration Project: The Wildlife Information Center's Vision for Restoration of the Kittatinny Ridge at Lehigh Gap, Sep. 2002 (4 p., two versions, summary, and map of land to be re-vegetated)

Conference call notes, Kunkle, Mineo, Root, and Ludwig, Sep. 4, 2002 (4 p., handwritten)

Email, Clauser and Kunkle, re: contacts for restoration project, Sep. 2002

Technical Conference on Vegetation of the Remainder of OU1, Blue Mountain, Palmerton Zinc Pile Site, Nov. 5-6, 2002 draft agenda

Palmerton Zinc Pile Site Operable Unit No. 1 Future Activities, draft, Dec, 13, 2002 (9 p. with EPA letter)

Consent for Access to Property, WIC to Viacom, Apr. 2003 (not signed)

Letter, Kunkle to Viacom, re: WIC guidelines for re-vegetation, May 6, 2003

#### Folder 2 - 2002-2003 studies

Field Testing Report, Operable Unit 1 - Blue Mountain Palmerton Zinc Pile Superfund Site, prepared for Viacom and TCI Pacific Communications, by AdrianBrown Consultants, Jan. 10, 2002

Erosion and Sediment Pollution Control Narrative for Lehigh Gap Restoration Project - Phase I, East Penn Township, Carbon County, Pennsylvania, by Carbon Engineering Inc., Oct. 29, 2002, 27 p.

Erosion and Sediment Pollution Control Narrative for Lehigh Gap Restoration Project - Phase I (A), East Penn Township, Carbon County, Pennsylvania, by Carbon Engineering Inc., July 7, 2003, rev. July 31, 2003, 32 p.

Ideas for On Mountain Pilot Test Plots for the 2003 Growing Season at Palmerton, Pennsylvania, by Jim Frank of Frank & West, Nov. 6, 2002, 4 p. and map

Palmerton Zinc Site Preliminary Risk Assessment Results, by David Ludwig, Nov. 6, 2002, power point printout, 9 p.

#### Folder 3 - 2003 studies

Blue Mountain Test Plot Plan for the 2003 Growing Season, prepared for Viacom International and TCI Pacific Communications, by Frank & West Environmental Engineers, March 11, 2003, 16 p. plus maps and Erosion and Sediment Pollution Control Narrative, rev. Dec. 13, 2002)

Materials Handling Plan for the 2003 Growing Season, prepared for Viacom International and TCI Pacific Communications, by Frank & West Environmental Engineers, April 3, 2003, 3 p. plus attachments

#### Folder 4 - 2003 studies

Health and Safety Plan 2003 Test Plots Operable Unit One (Blue Mountain) Palmerton Zinc Pile Superfund Site, Carbon County, Pennsylvania, prepared for Viacom International, March 18, 2003, 21 p. plus table, figures, appendices

Quality Assurance Project Plan 2003 Test Plots Program Operable Unit One (Blue Mountain) Palmerton Zinc Pile Superfund Site, Carbon County Pennsylvania, prepared for Viacom International, by Cummings/Ritter Consultants, March 18, 2003, various paging

Health and Safety Plan 2003 Test Plots Operable Unit One (Blue Mountain) Palmerton Zinc Pile Superfund Site, Carbon County, Pennsylvania, prepared for Viacom International, April 16, 2003, 24 p. plus table, figures, appendices (approved by EPA)

Quality Assurance Project Plan 2003 Test Plots Program Operable Unit One (Blue Mountain) Palmerton Zinc Pile Superfund Site, Carbon County Pennsylvania, prepared for Viacom International, by Cummings/Ritter Consultants, April 16, 2003, various paging (approved by EPA)

Folder 5 - Erosion and Sediment Pollution Control Plan, 2002-2003

Carbon County Conservation District reports and inspections

Carbon Engineering maps (3 maps, Oct. 29, 2002) and correspondence

Bids for control work, materials specifications, bills from Livengood Excavators

Folder 6 - Test Plots

2003 vegetative test plots with analyses maps of 56 test plots and list of material spread in each plot (each about 1 acre)

2004 report by Frank & West of total cover, root analysis, and description of 2003 test plots

Memorandum, BBL to EPA, re: re-sampling test plots sampled in Oct. 2003, Aug. 24, 2004

2005 ecological risk assessment in remediation area by Blasland, Bouck & Lee (BBL) (Ecoloam and warm season grass areas, hypothetical risks calculated and re-calculated accounting for metals recycling via plant uptake)

Folder 7 - Aerial and Ground Re-vegetation, 2005-2006

Preliminary Remedial Action Design, Geographical Area I, by Frank & West, Mar. 2, 2006, 13 p. with maps

2006 Frank & West report on re-vegetation efforts, 2005-2006, with 65 photos (on CD) and map of work areas

2006 Vegetation Assessment, by BBL, Dec. 2006 (with maps, photos, and CD)

Folder 8 - 2005 Summer Interns Funded by Viacom for Restoration Work -

correspondence, budget, invoices, pay stubs, supplies

Folder 9 - Acorn and Oak Seedling Planting, 2003 and 2007 - planting instructions, map of seedling placements, list of participants

Folder 10 - Invasive Species Control, 2007-2008

Palmerton Zinc Pile Superfund Site, CBS Operations, Invasive Plant Management Plan, Operable Unit 1, Geographical Area 2, draft, Dec. 21, 2007

2008 Invasive control east of gap - map, instructions, log sheet

## **Series 19 Land Usage**

Folder 1 - Lehigh Gap Master Site Plan, 2004-2005, prepared by Delaware & Lehigh National Heritage Corridor, pt. 1 (meetings agendas, background material)

Folder 2 - Lehigh Gap Master Site Plan, 2004-2005, prepared by Delaware & Lehigh National Heritage Corridor, pt. 2 (meeting agendas, background material, Powerpoint presentation)

Folder 3 - Lehigh Gap Master Site Plan (Kunkle materials)

Folder 4 - Lehigh Gap Master Site Plan Report, 2005, covering access, facilities, trails, habitat, exhibits, and landscaping (21 pages plus maps) and Phase I Design scope and costs; WIC Board resolution to adopt plan, Feb. 14, 2005

Folder 5 - Wildlife Art and Science Center proposal - Grant White collection, 2007

### **19.1 Signage**

Folder 1 - 5 computer printed, laminated 8 1/2 x 11 inch black and white signs; 2002 Sign Design quotation sheet for signs; Bureau of Land Management Access Strip Decal examples; invoices from D & L and Washington Township for signs

### **19.2 Trails**

Folder 1 - D & L Trail PennDOT maps, 2001; maps by DEL Consulting, 2007; construction cost estimates and correspondence; 2008 bills for concrete for signs; 2007 Allentown Hiking Club trail work sign in sheet; trail map and description  
Folder 2 - D & L Trail drawings for construction, East Penn Township, 2010 (23 sheets)

### **19.3 Roads**

Folder 1 - 2007 price sheets, bids, bills for work by Livengood Excavators; 2009 repairs; map of proposed road and parking area south of Rt. 873 bridge

### **19.4 Habitat gardens**

Folder 1 – 2007 invoice for wildflower seeds; 2009 design proposal and sketches from Edge of the Woods Native Plant Nursery; 2010 invoices garden wall and paths from Livengood; for plants and mulch

### **19.5 Pond at Osprey House**

Folder 1 - bill for correcting leak, 2010

## **Series 20 Structure Records (Design, construction, furnishing, maintenance)**

### **20.1 Original House and Springhouse (acquired 2002)**

Folder 1 - Building Analysis Report, by Jeff Frantz, 2006; 2009 porch lighting; renovation plans and 2 building permits, 2010 and 2011; architect and engineering correspondence; undated handwritten notes  
Folder 2 - Bills for renovations, 2010-2012  
Folder 3 - Septic system, 2006-2008

### **20.2 Osprey House Visitor Center (completed 2010)**

Folder 1 - 2005-2006 design meetings, preliminary sketches, needs list, correspondence; 2005 Visitor Center Proposal, by MKSD Architects (2 spiral bound booklets); 2005 Visitor Center Proposal, by Kimmel Bogrette  
Folder 2 - 2005-2006 spring architectural plans with revisions by Michael Jonn  
Folder 3 - 2006 fall-2007 architectural plans, by Michael Jonn and Lehigh Engineering (11 sheets); 2007 cost estimates, by ConSolarNation; 2007 Erosion and Sediment Control Plan, by Lehigh Engineering  
Folder 4 and tube 1 - 2009 architectural plans (flat and rolled)  
Folder 5 - 2010-2011 architectural plans  
Folder 6 - Architect services - Michael Jonn and others  
Folder 7, pt. 1 - Whiting-Turner Construction Manager proposal  
Folder 7, pt. 2 - Alvin Butz (construction manager) contract, correspondence, bills; building permit June 2009  
Folder 7, pt. 3 - 2008 budget estimates  
Folder 8, pt. 1 - Construction bids, compiled by Alvin Butz, Inc.  
Folder 8, pt. 2 - Exterior shell specifications

Folder 9 - Excavation - contract with Livengood Excavators, change orders, insurance certificate, invoices for excavation, re-grading, fill  
Folder 10 - Utilities - 2009 well by Duane Moyer Well Drilling; 2008 sewer permit; 2008 subcontractor bid analysis; geothermal heat pump  
Folder 11 - Concrete and Masonry - contract with F. A. Rohrbach; invoices for exterior stone/masonry work  
Folder 12 - Carpentry - 2 contracts with Service Construction Co., change orders, additional work; payroll sheets  
Folder 13 - Roofing - contract with Alan Kunsman Roofing & Siding, change order  
Folder 14 - Painting - contract with Lucas Designs, bond, change order; invoices for painting supplies  
Folder 15 - Plumbing - contract with The Warko Group; plumbing specs; contractor bids; invoices from L & S Electrical Construction Co.  
Folder 16 - Electric - contract with Orlando Diefenderfer Electrical Contractors; electrical service & distribution diagram; bid proposals and clarifications; insurance certificate and invoices from Scott Stenack; PPL E-power incentives  
Folder 17 - Interior insulation, drywall, floors, and ceilings - insulation by Eastern Spray Foam; drywall by Pritchard Company; ceiling; flooring by several contractors  
Folder 18 - Interior furnishings - hardware and keys, security system, chair railing, ladder, window treatments, floor mats, phone service, chairs, projector, fire extinguishers, signs, entrance wall exhibit, etc.  
Folder 19 - Library - J. P. Jay proposals for library design, materials catalogs, invoice  
Folder 20 - Construction notes (27 p., handwritten), logs, meetings; final inspection report, July 8, 2010; dedication ceremony leaflet, July 16, 2010

### **20.3 Tannery (acquired 2002)**

Folder 1 - estimate for roof replacement, 2011

### **20.4 Pavilion (built 2005)**

Folder 1 - zoning appeal, building permit

### **20.5 Tool Shed**

## **Series 21 - Audio-Visual materials (Photos, Slides, Video, Computer, etc)**

### **21.1 Photographs (arranged chronologically)**

#### **Box 1**

Undated – Youth (2 sheets) – 3 photos of youth observing at Bake Oven Knob, using a spotting scope, and looking at pond  
1998 – Summer Camp (3 sheets) -11 photos of camp activities  
2000 – Youth at Bake Oven Knob (1 sheet) – 5 photos of bird watching  
- Summer Camp (1 sheet) – 4 photos  
2001 – Hawk Fest (4 sheets) – 17 photos of activities and 7 close-ups shots of bird  
2002 – January (3 sheets) – 1 index card and 7 photos of Hodson, Van Norman, and 4WD/ATV erosion [Eckerd 487]  
- January #2 (5 sheets) – 1 index card and 25 photos of Hodson and Van Norman properties, including interior of house [Dan's 416, taken 1/26]  
- January/February (2 sheets) – 1 index card and 16 photos of scrub oak, pitch pine, banding stations, view of West Plant [Dan's 161, taken 1/26 & 2/3]

- February 3, roll 156 (3 sheets) – 1 index card and 19 photos of grasses, native diversity, fire recovery, and views from top of mountain [Dan's 156]
- February 3, roll 158 (3 sheets) – 1 index card and 21 photos from top of mountain [Dan's 158]
- February 3, roll 160 (4 sheets) – 1 index card and 23 photos of mountain and plants [Dan's 160]
- February 3, roll 162 (3 sheets) – 1 index card and 18 photos of Van Norman land, ponds, land use, mountain, towers, views of valley [Dan's 162]
- February 6, roll 969 (4 sheets) – 1 index card and 22 photos of Lehigh Gap, trains, highway
- February 6, roll 970 (4 sheets) – 1 index cards and 23 photos of Lehigh Gap, Snelling, Van Norman, and Stoney Ridge land
- February 6, roll 971 (3 sheets) – 18 photos of Lehigh Gap
- February 6 & 8, roll 381 (4 sheets) – 1 index card and 25 photos of NJ Zinc Co., Lehigh Gap, Blue Mountain, plants, and Appalachian Trail sign [Dan's 381, but photos are stamped 392]
- February 8, roll 364 (5 sheets) – 1 index sheet and 25 photos of Lehigh Gap, Appalachian Trail, and Strohl place
- February 8, roll 382 (4 sheets) – 1 index cards and 25 photos of Palmerton, Lehigh Gap, and Blue Mountain [Dan's 382, but photos stamped 393]
- February 8 & 9, roll 531 (4 sheets) – 1 index card and 25 photos of Blue Mountain, Lehigh Gap, and Palmerton
- February 9, roll 532 (1 sheet) - 2 photos of mountain and plants in denuded area

**Box 2**

- February 9, roll 533 (3 sheets) – 1 index card and 19 photos of fishing in Lehigh River and Lehigh Gap
  - March 5 (2 sheets) – 1 index card and 2 photos of moving library into Osprey House and student award winners, 1 picture CD
  - July 12 (3 sheets) – 1 index card, 16 photos and 1 picture CD of Lehigh Gap, Van Norman ponds, and Bake Oven Knob
  - September 18 (5 sheets) – 1 index card, 25 photos, 1 picture CD of refuge, restoration, NJZ West Plant, Lehigh Gap, bird watcher
  - October 24 (5 sheets) – 1 index card and 24 photos of turtle, snake, birds, views of LGNC from Appalachian Trail on east side of river and denuded ridge
  - December 18 (4 sheets) - 1 index card and 20 photos of entrance road grading and Appalachian Trail hike
  - undated, possibly summer 2002 (2 sheets) – 9 photos of Blue Mountain showing impacted area
  - undated, possibly summer 2002 (1 sheet) – 6 photos of Van Norman property
  - undated, possibly fall 2002 (2 sheets) – 6 photos of mountain and river, Hodson property
  - undated, possibly fall 2002 (1 sheet) – 2 photos of Lehigh Gap
- 2003 – WIC sign installation (1 sheet) – 5 photos showing installation of WIC sign on Osprey House, possibly April
- Dedication ceremony, May 1, ID 427401 (3 sheets) – 13 photos of ceremony

- Dedication ceremony, May 1, ID 128841 (3 sheets) – 3 photos of ceremony and 11 photos of group touring the re-vegetation work on the Superfund area of Blue Mountain
  - Dedication ceremony, May 1, no ID (6 sheets) – 27 photos of Osprey House and ceremony
  - Dedication ceremony, May 1, ID 206436 (3 sheets) – 10 photos of group inspecting re-vegetation area, work crew with tools, and bird of prey
  - May 3 (1 sheet) – 3 photos of members open house
  - May 10 (1 sheet) – 5 photos of planting grass on refuge
  - June 4 (1 sheet) – 3 photos of Osprey House and west side of Lehigh Gap taken from east side of river [ID 206435]
  - Summer (1 sheet) – 2 photos of mountain with group at restoration with view of NJZ West Plant
  - Summer2 (1 sheet) – 2 photos of a turtle
  - August 23, ID841466 (5 sheets) – 1 index card, 24 photos and 1 picture CD of re-vegetation work, progress and views of grasses on refuge
  - August 23, ID841435 (3 sheets) – 1 index card, 12 photos, and 1 picture CD of re-vegetation progress, views of tannery and library
  - September 22 & October 3 (1 sheet) – 1 photo of youth group [ID430331] and 1 photo of bus at LGNC [ID575793]
  - October 15 (3 sheets) – 1 index card, 14 photos, and 1 picture CD with photos of education activities, bird watching [ID 520611]
  - October 19 (5 sheets) – 27 photos taken on southwest side of Lehigh Gap by Joe Ondra [ID 422991, dated Oct. 23]
  - Winter (1 sheet) – 1 photo of group on Osprey House porch with snow [Wegmans 482]
- c2003? – Installing bird boxes (6 sheets) – 36 photos of box installations

### **Box 3**

- 2003-2004 – Bob & Connie Reinhart's photos of test plots (1 sleeve) – 4 photo CDs from Sept. 30, 2003, Oct. 7 and 16, 2003, and Aug. 22, 2004 with note, and 1 sheet of sample prints
- 2004 – Freedom High School Field Trip and Test flights of aerial seeding – 1 computer disc
- June 17 (3 sheets) – 11 photos of restoration progress, by Bob Halmi
  - Summer Camp (1 sheet) – 1 photo of students using microscopes in Osprey House kitchen
  - August 1 (1 sheet) – 1 photo of group touring restoration area
  - October? (8 sheets) – 16 photos for restoration progress display, 2002-2004
- 2005 – April 25 (1 sheet) – 1 photo of bald eagle on branch, Rt. 248 Palmerton
- June 4 (3 sheets) – 17 photos of National Trails Day event with interior of Osprey House
  - October 15 and 27 (1 sheet) – 5 photos of Bake Oven hawk watch
- c2005? – Miscellaneous in 1 envelope (3 sheets) – 17 photos of refuge in fall, intern at BOK, interior of Osprey House, student award winners, raptors, construction trench, snake eating toad
- 2006 – March 27 (4 sheets) – 26 photos of demolition and construction work around Osprey House and dedication ceremony

- July 6 (1 sheet) – 3 photos of double rainbow on Blue Mt. and view of Lehigh Gap, by George Ashman
- August 17 (2 sheets) – 10 photos of media tour including restoration equipment
- 2007 – October 8 (1 sheet) – 1 photo of Sean Bankos
- December 27 (2 sheets) – 8 photos of construction of access road
- 2008 – March 3 (1 sheet) – 6 photos of federal grant check presentation by Charles Dent
- October 31 (3 sheets) – 17 photos of ribbon cutting ceremony
- c2010? – Views (1 sheet) – 1 photo each of education group on mountain, NJZ west plant, deck, pond and tannery, and unimproved D&L Trail
- Award presentation at Bake Oven Knob fall festival (1 sheet) – 2 photos of Kunkle presenting awards to 2 people
- Fall (2 sheets) – 7 photos of Lehigh University Environmental Education class
- c2011? – Student groups (1 sheet) – 3 photos of groups at Osprey House
- 2012 – March 20 (1 sheet) – 1 photo of Dan Kunkle [Walmart]
- c2012? – Summer (1 sheet) – 1 photo each of mountain and pond and tannery [Eckerd 925]

**Oversize Folder 1** – 6 photos of Osprey House, Tannery, Blue Mountain and Palmerton, LGNC from east side of gap, gap from south , and rocks (11 x17 inches)

## **Series 22 - Histories, recollections, interviews about WIC**

### **22.1 Origins of WIC**

Folder 1 - Background correspondence between WIC founders Donald Heintzelman and I. B. Sinclair, with letters to and from other persons and organizations, July 1980-May 1986. About 175 letters provide details of their efforts related to wildlife protection, frustration with other wildlife organizations, and the decision to form a new organization to protect wildlife. Includes letters to/from Defenders of Wildlife, Pennsylvania Game Commission, Sierra Club, Morning Call, Hawk Mountain Sanctuary, Wild Resources Conservation Fund, National Parks Service, Appalachian Trail Conference, National Audubon Society, Pennsylvania Wildlife & Outdoor Digest, and Humane Society of the United States. Letters also exchanged with H. Elliott McClure, Maurice Forrester Jr., Priscilla Cohn, Ruth Adams, and Harry Goldman. Information about the Committee for Dove Protection. Proposals by DSH to Defenders of Wildlife to create an International Raptor Center, a Pennsylvania Hawk Watching Week Education Kit, and a Defenders of Wildlife Fall Hawk Watch (all 1982). DSH remarks for First National Birds of Prey Conservation Week (1984). List of positions taken by Wildlife Committee of Eastern Pennsylvania Group, Sierra Club, May 10, 1986.

Prepared by:  
Barbara L. Wiemann  
Rev. July 8, 2019

**Collection 2**  
**Donald S. Heintzelman**

**Box 1 Series 1 - Biographical and Family Material** (includes gifts and mementos)

Folder 1 - Clippings about DHS's life and accomplishments (13 articles, 1959-2004); birding life list with 827 birds listed; 2 letters in response to DSH inquiries about his self letter from Joseph Bacak to Pres. of Muhlenberg College, recommending Donald for honorary doctorate, 2018

Folder 2 - Photographs of DHS (21 pages, 1938-2013), slides (20)

Folder 3 - Public school - report cards, 2 papers (Indian relic collection and an autobiography), 9th grade graduation certificate; high school diploma

Folder 4 - Miscellaneous (lock of baby hair; stationery post card with name and address; Bausch Lomb advertisement in Audubon Magazine, July/August 1960; passport issued in 1971; Catalogue of books for sale by DSH, Spring 1974 (6 p.); Golden Eagle Wildlife Tours letterhead; deed of gift forms for donation to Lehigh County Historical Society, 2004

Folder 5 - Diaries (Sept. 2014-Jan. 2015, Jan.-Oct. 14, 2015, Oct. 15, 2015-Mar. 20, 2016, Mar. 21-Aug. 29, 2016, Sep. 30, 2016-Mar. 9, 2017, Mar. 10-Oct. 5, 2017)

Folder 6 - Rewellien Heintzelman - Photos, slides, obituary of Rewellien and extended family

**Box 1A** Folder 7 - Florence Shaffer Heintzelman - Photos, slides, diary, recipes, letters, funeral, family

Folder 8 - Rewellien and Florence - marriage, photos,

Comus, 1956 - Allentown High School yearbook [on shelf next to box]

**Box 2**

Common Service Book presented to Donald at Easter, 1953, by his Uncle Harvey and Aunt Dorothy (inscribed with DSH's name on front cover)

2 paintings by DSH

Commemorative plate from Wilson Ornithological Society, 1972

Amazonia sketches by Ken Anderson, Walt Disney Studios, 1974 - 44 sheets

Slate wall hanging with eagle design - gift from WIC

7 patches and buttons - 2 Militia Hill buttons, Hawk Mt., Whalewatch, National Audubon Society, Bushkill Environment Conservation, Raptor Research Foundation patches

Drawing of whale by Don Sineti, 1981 [oversize, stands next to box 2]

**Box 3 Series 2 - College and Grad School** (Muhlenberg College and Lehigh University, 1960-1965)

Folder 1 - Muhlenberg College transcript, graduation program, and diploma

Folder 2 - The Breeding Activities of the Sparrow Hawk, Feb. 1961 (freshman English paper)

Folder 3 - The Sparrow Hawk *Falco sparverius sparverius* Linnaeus, Dec. 1961 (bound)

Folder 4 - Sparrow Hawk Breeding Cycle (undated, likely Dec 1961)

Folder 5 - Behavior Development of the Sparrow Hawk (*Falco sparverius*), Dec. 1962

Folder 6 - The Self-Concept and the Learning Process, May 1963

Folder 7 - Industrial Morale Surveys, Dec. 1963

Folder 8 - Sociology Book review: "Patterns of Culture" by Ruth Benedict, Dec. 1963

Folder 9 - The Quiet Years, May 1964 (psychology paper)

Folder 10 - Sociology Term Paper, May 1964

Folder 11 - Egoism vs. Altruism: A Moral Standard, Dec. 1964

Folder 12 - Behavior of Japanese Bomb Survivors, Dec. 1964

Folder 13 - Comments on Philosophies and Theories of Education, May 1965

Folder 14 - Lehigh University graduate study, 1965 - paperwork

Folder 15 - Distribution and Population Density of Barn Owls in Lehigh and Northampton Counties, Pennsylvania, May 1965

Ciarla, 1964 (Muhlenberg College yearbook) [oversize, stands next to box 3]

**Series 3 - Employment** (Bethlehem Globe Times, Organic Gardening, William Penn Museum, NJ State Museum, Lindblad Explorer) [note: published photos from BGT & OG employment in 14; LE journals, mementos in 8; LCCC courses in 13]

Folder 1 - Diorama captions for William Penn exhibit

**Series 4 - Memberships, affiliations, professional associations, etc.** (except WIC, located in Collection 1)  
[no items]

**Series 5 - Honor and awards**

Folder 1 - Witmer Stone Award and elected Fellow of Delaware Valley Ornithological Club, 1965; Julian K. Potter Award from Delaware Valley Ornithological Club, 1973; Registered Hawkwatcher recognition from Connecticut Audubon Council, 1981; Order of St. George, 1994; Pennsylvania Press Club's Communications Contest awards, 1999; Lifetime Achievement Award certificate from Lehigh Gap Nature Center, 2017; Certificate of Achievement from PA Rep. Justin Simmons, 2017; Lifetime Achievement Letter from Cong. Charles Dent, 2017; Certificate of Special Recognition from Sen. Patrick Toomey, 2017

**Box 4 Series 6 - Correspondence** [note: correspondence relating to publications located with publications]

Folder 1 - Arthur A. Allen - Cornell University Ornithology Laboratory, NY - 4 p.

DSH request for opinion on authenticity of Kermadec petrel sighting, Jan. 16-Feb. 26, 1960

Folder 2 - Dean Amadon - American Museum of Natural History, NY - 6 p.

DHS inquiry about employment, requests to read a manuscript and identify a bird, 1974, 1977-1978, 1983

Folder 3 - American Museum of Natural History - New York - 1 letter

Request to DSH to autograph books during upcoming AOU meeting, 1983

Folder 4 - Felipe Benevides - Lima Peru - 17 p.

Discussion of publication of Paracus field guide and list of birds with short descriptions; request for information on Peruvian wildlife conservation, 1974-1975, 1983

Folder 5 - Andrew J. Berger - University of Hawaii - 1 letter

Reply to DSH about Hawaiian hawks, failure of Auk to review DSH book, March 1978

Folder 6 - Arthur H. Bergey - York, PA - 2 p.

Letter with Bergey's travel plans, DVOC politics, July 1984

Folder 7 - Bird Watcher's Digest - Marietta, OH - 23 p.

Submission of articles for publication, review of books, 1981-1985, 1998, 2001, 2017, 2018

Folder 8 - James Bond - Academy of Natural Sciences, Philadelphia, PA - 20 p.

DSH requests related to Autumn Hawk Migration, Nov. 1969-April 1973

Folder 9 - Alan Brady - Cameracraft Shop, Newtown, PA - 1 p., 2 postcards

Thank you notes to DSH for gifts of recently published books, June 1978-Nov. 1984

Folder 10 - Maurice Brooks - Morgantown, WV - 2 letters

Replies to request for WV hawkwatching information, March 1978

Folder 11 - Paul Brooks - Lincoln Center, MA - 2 letters

Request by Brooks for information about Robert Murphy and Roland Clement and thank you for information, March 1983

- Folder 12 - Maurice Broun - Hawk Mountain Sanctuary - 8 p., including note  
Correspondence with Broun, Aug. 1978-July 1979
- Folder 13 - Irma Broun-Kahn - Modesto, CA - 7 letters, 1 card  
Correspondence related to Maurice's papers and early hawk watching, 1980, 1982, 1984
- Folder 14 - Carl W. Buchheister - Bethesda, MD - 1 letter  
Reply to DSH about whale watching locations, Nov. 1979
- Folder 14A – Paul Bunning – Olympia, WA – 2001-2002  
Correspondence about Ramphastos, LLC Raptors software and DSH employment  
correcting the software
- Folder 15 - Charles, Prince of Wales - London, United Kingdom - 2 letters  
DSH letter praising Prince's environmental efforts and thank you reply, 2013
- Folder 16 - Russell Cookingham - NJ Dept. of Environmental Protection - 2 p.  
Inquiry about consulting contract and reply, April 1974
- Folder 17 - Cornell Laboratory of Ornithology - 19 letters and emails  
Records of donations to the Laboratory, 1976-1977; reply to DSH letter suggesting books  
for their catalogue., 1983; emails about donated Rosalie Edge letter, 1998
- Folder 18 - Frank Craighead - Boiling Springs, PA - 1 p., 1 sales sheet, 1 envelope  
Instructions for color marking of ducklings, from J. Wildl. Mgmt., 1951  
Leaflet advertising Craighead's book Hawks, Owls and Wildlife with envelope, 1962
- Folder 19 - Helen Cruickshank - Rockledge, FL - 79 p.  
Use of Allen Cruickshank's photos in DSH's books, birding, the problems of authors, and  
unfavorable book reviews. July 1978-Dec. 1986
- Folder 20 - Delaware Valley Ornithological Club - 29 p.  
Concern about Game Commission non-game species efforts, 1978; correspondence  
about publishing DSH articles, promoting birding activities, concerns about  
DVOC policies, 1982-1984
- Folder 21 - Bruce Duncan - Ontario, Canada - 1 letter, 2 charts, 1 map  
Information about Cooper Hawk banding, 1984
- Folder 22 - Peter Edge - Hawk Mountain Sanctuary - 8 letters  
Conservation issues, 1965; book sales and raptor conference, 1978
- Folder 23 - Rosalie Edge - Hawk Mountain Sanctuary  
Postcard from Edge in France, to DSH, July 1962
- Folder 24 - Explorers Club - 9 letters, 1 postcard  
Correspondence about book reviews and articles for Explorers Journal, 1979-1981
- Folder 25 - Jane Fenton - Hawk Trust, Wildfowl Trust - 19 letters and notes, 2 brochures  
Requests from Fenton for information and photos, republication of DSH books and  
articles, 1975-1978
- Folder 26 - Dielle Fleischmann - McClellanville, SC - 1 letter  
Request for assistance with Paracas field guide, 1975
- Folder 27 - Vladimir Galushin - Moscow Pedagogical State University, Russia - 1 letter  
Sending DSH postcards of rare birds, 2010
- Folder 28 = Albert E. Gilbert - Washington, CT - 2 letters, leaflet of bird illustrations  
Using Gilbert's artwork in DSH books, 1977
- Folder 29 - Frank Gill - Academy of Natural Sciences - 4 letters  
Correspondence related to DSH completing a manuscript begun by Poole of the  
Academy, 1975
- Folder 30 - Harry Golden - Glens Falls, NY - 24 letters and notes, clippings

**Box 5**

DSH application for Hawk Mt. Executive Director position and DSH complaints about character assassination, appropriating his work and BOK, 1982; DSH accomplishments not acknowledged by Hawk Mt., 1985-1986; effort by I. B. Sinclair to fund a position for DSH at Defenders of Wildlife, 1986; formation of WIC, 1986; Tesla Coil Builders Association newsletter, 1999

Folder 31 - Richard R. Graber - 2 letters

Request by DSH for hawk photographs, 1977

Folder 32 - Sam Gundy - Kutztown State College, PA - 2 notes

Gundy reviewed DSH books for local newspaper, 1981

Folder 33 - Theodore Hake - York, PA - 1 note, 1 letter

Congratulations from Hake on publication of books, 1979, 1983

Folder 34 - John R. Haugh - Cornell University - 4 letters, book outline

*Autumn Hawk Flights* correspondence and proposed book outline, 1969

Congratulations on Haugh's doctoral thesis, 1973

Folder 35 - Hawk Migration Association of North America - 2 letters

DSH complaint about HMANA's treatment of him and reply from HMANA, 1985

Folder 36 - Paul Hess - Natrona Heights, PA - mostly emails, approx. 200 pages

Kermadec Petrel identification correspondence and Hess article about the sighting, 1996-1997

Petrel identification letter with E. S. Brinkley's Trinidade Petrel observations; field guide bibliography by Hess, 1997

Petrel, birding web sites, honeysuckle, Wildlife Information Center, 1998

*Backyard Home Companion* suggestions and proofreading; Wildlife Information Center, Game Commission, PA Audubon, 1999

International Hawkwatcher, birding, 2000

DSH award nomination, 2002

Folder 36A - Historic Bartram's Garden - 4 letters, 4 emails

Franklinia census and tree owned by Robert Cushman Murray, 1998; Franklinia wildlife uses and bibliography, 2000

## Box 6

Folder 37 - Clayton Hoff - Forward Lands, Inc. - 2 letters

Wildlife surveys employment, 1974

Folder 38 - Jack Holcolm - WEEU Radio, Reading, PA - 5 letters, 2 cards, 1 newspaper article

Radio show, newspaper article, 1985-1986

Folder 39 - Carl Howard - US Environmental Protection Agency, New York City - 3 emails

First person account of Sep. 11, 2001 attack, 2001

Folder 40 - International Council for Bird Protection - Washington and New York - 18 letters

Correspondence about research proposals, grants, employment, 1974-1976

Folder 41 - Ned K. Johnson, U. of California, Berkeley - 5 letters

Hammond flycatcher identification, 1967-1968

Folder 42 - Nancy Keeler - Hawk Mountain Sanctuary - 6 pages

Emails from DSH citing his raptor accomplishments and responses from Keeler, June 2000

Folder 43 - Robert S. Kennedy - National Wildlife Federation - 11 letters

Efforts to declare a National Hawk Watching Week, July 1983-Feb. 1984

Folder 44 - Brina Kessel - University of Alaska - 1 letter

Reply to DSH request for information on Alaskan owls, 1981.

Folder 45 - Anne LaBastille - Big Moose, NY - 13 letters, notes, and cards

Lindblad expeditions, hawking watching week, book publishing, buying real estate in Adirondacks, 1975-1989

- Folder 46 - Charles Leck - Rutgers University, NJ - 2 letters, 3 research proposals  
Use of DSH photos in Leck's book, DSH work on Leck's research proposals, 1973-1974
- Folder 47 - Bob Lehman - US Geological Survey, Biological Resources Division, Boise, ID - 1 report, 3 emails  
Raptor monitoring strategy report, 1997; DSH complaints about professional treatment, Oct. 1998
- Folder 48 - H. Elliott McClure - Camarillo, CA - 1 letter  
Elective member of ACU, hawk watching week, Jan. 1984
- Folder 49 - Bernd Meyburg - World Working Group on Birds of Prey and Owls - 8 emails  
*International Hawkwatcher*, Jan.-Feb. 2000
- Folder 50 - Mark W. Miller - Hawk Mountain Sanctuary - 12 emails  
Use of BOK data for intern analysis, Aug.-Sep. 2000; request for information about Hawk Mountain's view of DSH, April 2001
- Folder 51 - Laura Wyand Moon - Genesee Ornithological Society - 20 letters, 4 newsletters  
Hawk data from NY, support for reprinting DSH book, DSH complaints about others usurping BOK, Autumn Hawk Flights chronology, correct bibliographic citation, hawk watching ethics, *International Hawkwatcher*, book publishing, Nov. 1982-Jan. 1985.
- Folder 52 - Bill Murphy - Lanham, MD - 1 note  
Gift of book and tape to DSH, 1987.
- Folder 53 - Robert Cushman Murphy - American Museum of Natural History, NY - 4 letters, 1 booklet  
Identification of *P. neglecta*, 1959; raptor protection, 1962; permission to quote, 1970; thanks for *Hawks of New Jersey*, 1971; signed copy of *Original Paintings of John James Audubon*, 1957
- Folder 54 - Alexander J. Nagy - Kempton, PA - 4 postcards  
Cards to DSH, 1963, 1965.
- Folder 55 - National Audubon Society, Mid-Atlantic Regional Office - Harrisburg, PA - 1 letter  
Reply to DSH letter about symposium proceedings and how symposium was advertised, 1978.
- Folder 56 - New Paltz Peregrine Falcon Foundation - New Paltz, NY - 2 letters, reprint, pamphlets  
Solicitation letter with brochures and cards, 1978; reprint from *Search*, v. 3 (winter 1977-78) about peregrines in NY; note to DSH about egg shells, 1982
- Folder 57 - New Zealand Dept. of Internal Affairs, Wildlife Service - 1 letter  
Reply to DSH request for information about whales and raptors, 1984
- Folder 58 - Nick Lyons Books - New York, NY - 6 letters  
DSH attempts to interest publisher in publishing his books, 1988
- Box 7** Folder 59 - Bent Pors Nielsen - Copenhagen, Denmark - 65 letters, 1 article, 4 envelopes  
Hawk migrations, publications, Middle East, hawk watching, visit to US, 1973-1995
- Folder 60 - Ralph S. Palmer - Tenants Harbor, ME - 1 note  
Thank you for copy of *American Hawkwatcher*, 1983
- Folder 61 - Kenneth C. Parkes - Carnegie Museum - 14 letters  
Museum labeling and specimens issues, passenger pigeon, Hammond's flycatcher, hawk watching ethics, revising Earl Poole's manuscript, 1963-1975
- Folder 62 - Linus Pauling - Palo Alto, CA - 1 note

Acknowledges receipt of news release about proposed treaty on environmental terrorism and offering support for it, 1991

- Folder 63 - Pennsylvania Game Commission - Harrisburg, PA - 35 letters  
Correspondence with Executive Director about endangered species protection, Kittatinny Ridge Raptor Area, non-game species, hawk watching weeks, protecting Bake Oven Knob, requests for grants, 1978-1985
- Folder 64 - Roger Tory Peterson - Old Lyme, CT - 62 letters, card, note  
Book publishing, raptor conference, environmental issues, 1979-1992, 1996
- Folder 65 - Olin Sewall Pettingill, Jr. - Cornell, NY and Maine - 43 letters  
Career advice, bird watching, publishing, 1961-1965; employment, travels, 1974-1978; book reviews, Bake Oven Knob competition, 1980-1983
- Folder 66 - Alan F. Poole - Woods Hole, MA - 2 letters  
Poole inquiry about osprey research and DSH reply, 1985
- Folder 67 - Earl L. Poole - West Reading, PA - 99 letters and cards  
Bird observations and notes, bird illustration, publishing, 1957-1971
- Folder 68 - Helen Poole - West Reading, PA - 2 notes, 1 card  
Notes and Christmas card from Earl Poole's widow, 1984-1985
- Box 8** Folder 69 - Richard H. Pough - New York - 24 letters and notes  
Heron colony, 1962; 1932 dead hawk photos, 1969; photos for books, employment, 1972-1973; thank you letters for gift books, 1979, 1983; birds of prey conservation week, controversy with Hawk Mountain Sanctuary, 1984
- Folder 70 - S. Dillon Ripley - Smithsonian Institution - 3 letters  
Request to serve as project advisor for grant, 1974; international wildlife conservation, 1984
- Folder 71 - Chandler S. Robbins - Laurel, MD - 4 letters  
Request by DSH to use Robbins' material in his book, to serve as an advisor for grant proposal, 1973-1974
- Folder 72 - Patricia Ann Sacks - Muhlenberg College, PA - 1 letter  
Acknowledgement of DSH donation of typescript and book, 1978
- Folder 73 - Salisbury Township School District - 22 pages  
Birds of prey curriculum (unit 2 of 6th grade science curriculum), 1982-1984
- Folder 74 - Victor B. Scheffer - Bellevue, WA - 2 letters  
DSH request for hawk watching information and reply, 1978
- Folder 75 - Keith Shackleton - London, England - 4 letters  
Request by DSH for Shackleton to illustrate a forthcoming book, 1975-1976
- Folder 76 - I. B. Sinclair - Media, PA  
[This file of about 175 letters, 1980-1986 is located in Collection 1; correspondence provides background for the formation of the WIC]
- Folder 77 - Ned Smith - Millersburg, PA - 2 letters  
Raptor illustration, 1981-1982
- Folder 78 - Walter R. Spofford - Portal, AZ - 1 letter  
Sources of information for western hawk watching for proposed DSH book, 1976
- Folder 79 - Peter Stettenheim - Lebanon, NH - 1 letter  
Sources of information for New Hampshire hawk watching for proposed DSH book, 1978
- Folder 80 - John Strohmeier - Bethlehem, PA - 1 letter

- Letter to Strohmeyer, Bethlehem Globe-Times, concerning distortions in G-T article, the role of the Brouns in developing Hawk Mountain and DSH efforts at raptor conservation, 1982
- Folder 81 - George M. Sutton - University of Oklahoma - 43 letters, hawk protection paper  
Career advice to a young ornithologist; hawk protection legislation; bird collection at the State Museum; bird sketches and exhibits, 1961-1969; reading DSH manuscript, 1977; letter about promising young wildlife artist, 1981; reminiscence by DSH about "Doc", 1982
- Folder 82 - Joseph W. Taylor - Hawk Mountain Sanctuary - 8 letters  
DSH chastises Sanctuary for allowing gypsy moth spraying, content of a Sanctuary program, not carrying his books, not promoting Hawk Watching Week, 1968, 1972, 1978, 1981; 2 letters by Taylor to Goldman and Sinclair informing them that DSH was not selected as Hawk Mountain executive director, 1982; criticism of Hawk Mountain regarding American kestrel research, 1982
- Folder 83 - John K. Terres - New Canaan, CT - 2 postcards  
Complimenting each other on publications, 1985
- Folder 84 - Theodore Burr Covered Bridge Society of Pennsylvania - 1 letter  
Reply to DSH request for Society to endorse Kittatinny Raptor Migration Corridor, 2008
- Folder 84A - Patrick J. Toomey - 1 letter with enclosure and emails  
Reply to DSH letter about Project Evergreen, copy of Rep. John Doolittle's letter about combatting extremism of the environmental movement by Project Evergreen, and email exchanges with Linda Sterner, Debbi Palmieri, and Mary Jackson about Project Evergreen, 2000
- Folder 85 - M. D. F. Udvardy - California State University - 1 letter  
Reply to DSH request for sample bird breeding map, 1982
- Folder 86 - Frederick A. Ulmer, Jr. - 2 letters, postcard  
Thank you for gift of whale book, questions about content, and DSH reply, 1981
- Folder 87 - Edwin Vaassen - numerous emails  
Paper about Turkish eagle migration, falconry, Oct. 1999-Jul. 2000
- Folder 88 - James M. Vardaman - Jackson, MS - 1 letter  
Thank you for DSH comments on Vardaman's book, 1981
- Folder 89 - George Wallace - Greyling, MI - 22 letters, 1 card  
Book publishing advice, owl sites in Michigan, complaints about treatment from other birders, Hawk Mountain, gaining Elective Member status in AOU, 1980-1986
- Folder 90 - George E. Watson - National Museum of Natural History, Washington, DC - 7 letters  
Identification of *Pterodroma neglecta* by Watson, 1976-1977
- Folder 91 - Lyall Watson - Bermuda - 1 letter  
Apologies for missing DSH lecture, 1974
- Folder 92 - Clayton M. White - Brigham Young University, UT - 1 letter  
Missing mail and defense of critical book review, 1982
- Folder 93 - John A. Wiens - Auk editor, Albuquerque, NM - 1 letter  
Reply to DSH suggestion for ethical commentary in journal, 1982
- Folder 94 - Wildlife Information Center - 1 letter  
DSH concerns about archival resources at WIC and future donations, 1998
- Folder 95 - David B. Wingate - Bermuda - 1 letter  
Reply to DSH request for whale information, 1980
- Folder 96 - Wooden Covered Spans - New Castle, PA - 1 letter  
DSH request for information about covered bridge courses for teachers, 2001

Folder 97 - Postcards sent to DSH

**Box 9 Series 7 - US Field Research, Field Notes, Field Journals** (arranged chronologically, geographically, except for Bake Oven, located in Collection 8)

**7.1 Field Research, Notes, Journals by date**

Folder 1 - 1959: records of 6 nest sites and banding in Berks, Clinton, and Wayne Counties, PA; nest site in Shenandoah National Park

Folder 2 - 1960: 7 sheets of observations, April-June, at ABE Airport, Lehigh Parkway, South Mountain, and Berks County; raven nests in Union County vicinity

Folder 3 - 1961: 94 numbered sheets of notebook paper with notes and observations of birds, Jan.-Dec., one day per sheet, from Lake Muhlenberg, Allentown; Bake Oven Knob; Hawk Mountain; Fleetwood; Kempton; Trexler Game Preserve; Portland, PA; Paupack; Brigantine National Wildlife Reserve, NJ; and Vermont [note: this locations list is not complete]

Folder 4 - 1962: 122 numbered sheets, Jan.-Dec., same as described in folder 3, and 5 typed pages listing species observed during the year and pages where recorded

Folder 5 - 1963: 69 numbered sheets, Jan.-Nov., same as described in folder 3; 1 typed page (no. 61a) contains Bake Oven Knob observations by Manness, Bressler and Middleton on Oct. 28 and 30

Folder 6 - 1964: 115 pages in bound notebook

Folder 7 - 1965, pt. 1: 140 pages in bound notebook

Folder 8 - 1965, pt. 2: 77 pages in bound notebook

**Box 10** Folder 9 - 1966: 247 pages in bound notebook; 3 mammal survey sheets for white-footed mice and 1 sheet for eastern chipmunks at Bake Oven Knob (1964, 1966, 1967)

Folder 10 - 1967-1969: 2 field notebooks, Apr.-Sep. 1967 and Sep. 1967-May 1969

Folder 11 - 1967: 146 pages of observations typed from field notebooks (in folder 10) with 5 page index by species, commercially bound

Folder 12 - 1968: 108 pages of observations typed from field notebook (in folder 10) and Bake Oven Knob observations, with 5 page index by species, commercially bound

Folder 13 - 1969: 95 type pages of observations during the year, with 4 page index by species, commercially bound (does not include the May 1969 observation in the notebook in folder 10)

**Box 11** Folder 14 - 1959-1970: Bird banding permits and records

**Box 12** Box of 1980s journals and 1993 Heidelberg Township Raptor Surveys

Pole trap field checks, Dec. 1986-March 1988 - 12 pages

General raptor and Kittatinny raptor migration corridor field observations, Sep. 1989-2006 - 60 pages

Bird watcher's journal - 57 pages and species checklist, 1985-1999

Observations, March-Nov 1982, 147 pages

Observations, Nov.-Dec 1982, 11 pages

Heidelberg Township Raptor Survey data sheets, sep-Dec 1993 (49 daily maps with summary map)

**Box 13** Box of 2000s journals:

All Weather Hawk Watcher's Field Journals - 7 notebooks

Roadside Raptor Survey, Heidelberg Township, Lehigh County, April 2002-May 2005  
Roadside Raptor Survey, Kittatinny Ridge, June 2009-Aug 2010, 11 pages  
Blue Mountain at PA 309, Sep. 2002-Nov. 2005  
Blue Mountain at PA 309, Nov. 2005-Oct 2009  
Green Lane Reservoir and other locations, June 2003-Sep. 2008  
Green Lane Reservoir, and a few page for other locations, Dec. 2008-May 2010  
Shimersville Hilltop, Lehigh County, Sep. 2004-Oct 2013  
2004, 2007, 2008, 2009. 2010, 2011, 2012 (2 books) (a few pages used in each book)

**Box 14**

**7.2 Field Research, Notes, Journals, Organized by Location**

Folder 1 - Charlex Farm, Albany Twp., Berks Co. sparrowhawk study, pt. 1  
Folder 2 - Charlex Farm, Albany Twp., Berks Co. sparrowhawk study, pt. 2  
Folder 3 - Lehigh County bird records, 1960-1983, arranged by species  
Folder 4 - Lake Muhlenberg bird records, 1960-1982, arranged by species  
Folder 5 - Robin Hood area bird records, 1962-1976, arranged by species  
Folder 6 - SGL 205 and Trexler Game Preserve, 1961-1983, arranged by species  
Folder 7 - Heidelberg Hill, 7 days of observation, 1975-1977  
Folder 8 - Miscellaneous field data sheets - Wagner's Gap, 1966 (2 days); Delaware Water Gap, 1972 (3 days); Tott's Gap, 1972 (22 days); Flagstaff Park, 1984 (1 day)  
Folder 9 - Lehigh County dead birds, 1936-1968 (by DSH and material from the Western Foundation of Vertebrate Zoology's Nelson Hoy collection)

[most of box 15 other people's research moved to collection 11 - incorporate this]

**Box 16 Series 8 - International Field Research, Notes, Journals, Mementos, Travel** (arranged geographically and chronologically, including LE employment)

**8.1 Trinidad and Tobago**

Folder 1 - Journal, 1967, 1969 and bound, typed copy  
Folder 2 - Birds of Trinidad and Tobago, by Herklots (Collins, 1965 reprint) with notes  
Folder 3 - Booklets, maps, post cards, letters from travels  
Folder 4 - Spring Hill Estate newsletters, 1968-1979  
Folder 5 - Birding resources (description of birding trips from Spring Hill; Birding on Trinidad, by L. A. Bischoff, 1966; Paradise Inn birding; Birding in Trinidad, by J. M. Barnett, 1967)

**8.2 East Africa**

Folder 1 - Journal, 1972 (1 book)  
Folder 2 - Correspondence relating to tour, letters sent while on tour  
Folder 3 - Checklist of birds, February-March 1972 (photocopy of pages 56-181)

**8.3 Amazon**

Folder 1 - Journal, 1974-1975 (203 pages); LE patch; postcards and letters home

**Box 17**            **8.4 Galapagos Islands**

Folder 1 - Journal, 1974-1975 - 1 book (75 pages)

Folder 2- Itineraries and travel information

Folder 3 - Galapagos avifauna, by M. P. Harris, 1973; list of genus; information about Galapagos; correspondence, 1975-1984; WFMZ program, 1978

**Box 18**            **8.5 Antarctica**

Folder 1 - Journal, 1975-1976 (91 pages)

Folder 2 - Memorabilia

**Series 9 - Published Books** - arranged by publication date (includes research material, drafts, proofs, correspondence, publicity, copy of publication)

**Box 19**            **9.1 Autumn Hawk Flights (Rutgers University, 1975)**

Folder 1 - Correspondence, George Griffin, Senior Editor at Rutgers Press, related to publication of book, 1973-1975 and 10 letters, 1976-1980.

Folder 2 - Correspondence with Rutgers Press: William Sloane (7 letters, 1973-1974), Herbert Mann (2 letters, 1978, 1980 related to publishing rights), Marlie Wasserman (1 letter, 1982, declining to reprint book), and Christina Blake (6 letters, 1984, related to book plates and flats)

Folder 3 - Permissions for use of quotations and photographs (alphabetically by grantor)

Folder 4 - Photographs/illustrations considered/used in book (approximately 55 b&w glossy and 2 illustrations; all but 12 photos by DSH)

Folder 5 - Book publicity and promotion

Folder 6 - Contract, royalties, 1975-1980

Published hardbound book, autographed on half title (used)

**9.2 A Guide to Eastern Hawk Watching (Pennsylvania State University Press, 1976)**

Folder 1 - Typewritten manuscript with corrections

Folder 2 - Permissions for use of quotations and photographs

Folder 3 - Book publicity and promotion

Folder 4 - Contract, rights, royalties, purchases

Published paperback book (used)

**Box 20**            **9.3 North American Ducks, Geese & Swans (Winchester Press, 1978)**

Folder 1 - Correspondence, Jock Bartlett, Managing Editor at Winchester Press, related to publication of book, 1976-1979

Folder 2 - Correspondence with Winchester Press, 1979-1985 [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects; see 9.7, 9.8, and 9.10]

Folder 3 - Typewritten manuscript

Folder 4 - Galley pages of book and dust jacket mock-up

Folder 5 - Permissions for use of quotations and photographs, reprint permission

Folder 6 - Photographs considered/used in book (approximately 115 b&w glossy)

Folder 7 - Illustrations, charts, maps used in book

**Box 21**            **Folder 8 - Book publicity and promotion**

**Folder 9 - Contract, rights, royalties, purchases**

Published hardback book (new)

**Box 22**

**9.4 Hawks and Owls of North America** (Universe, 1979)

Folder 1 - Correspondence with Universe Books, 1978-1986 [Universe published 2 books by DSH in 1979 and correspondence for both books is included in this folder]

Folder 2 - Permission for use of quotations and photographs (includes a permission note from Maurice Broun that also urges DSH to descend from Olympus and apologize to the MacClays)

Folder 3 - Photographs considered/used in book (approximately 130 b&w glossy, 1 map of cicada infestation, photos of lions, 1 slide of an American chestnut tree, and dust jacket mock-up)

Folder 4 - Book publicity and promotion

Folder 5 - Contract, rights, royalties, purchases

Published hardback books, 1st printing, 1979 and 2d printing, 1981, with dust jackets (new)

**Box 23**

**9.5 A Manual for Bird Watching in the Americas** (Universe, 1979) - [see note for 9.4 Folder 1]

Folder 1 - Typewritten manuscript, early draft, pt. 1, 1977 (pages i-iv, 1-100)

Folder 2 - Typewritten manuscript, early draft, pt. 2, 1977 (pages 101-158)

Folder 3 - Typewritten manuscript, 2nd draft, pt. 1, 1978 (pages i-v, 1-135)

Folder 4 - Typewritten manuscript, 2nd draft, pt. 2, 1978 (pages 136-279)

Folder 5 - Typewritten photo captions, insert instructions, partial index and dust jacket mock-up

Folder 6 - Permissions for use of quotations and photographs

Folder 7 - Photographs considered/used in book (24 color)

Folder 8 - Photographs considered/used in book (approximately 124 b&w glossy)

Folder 8 - Book publicity and promotion

**Box 24**

Folder 9 - Contact, royalties, purchase

Published hardback book with dust jacket (new)

**Box 25**

**9.6 A Guide to Hawk Watching in North America** (Pennsylvania State University Press, 1979)

Folder 1 - Correspondence with Penn State Press, 1978-1998 (later correspondence includes efforts to have PSU publish or reprint other DSH books)

Folder 2 - Typewritten manuscript, pt. 1 (pages i-xi, 1-130)

Folder 3 - Typewritten manuscript, pt. 2 (pages 131-246, captions)

Folder 4 - Photographs considered/used in book (approximately 85 b&w glossy)

Folder 5 - Artwork and photographs

Folder 6 - Permissions for use of quotations and photographs

Folder 7 - Book publicity and promotion

Folder 8 - Rights, royalties, purchases

**Box 26**

Published hardback book with dust jacket (new) and published paperback book, second printing, 1982 (used)

**9.7 The Illustrated Bird Watcher's Dictionary** (Winchester Press, 1980)

Folder 1 - Correspondence with Winchester Press, 1979-1983 [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects, see 9.3, 9.8 and 9.10]

Folder 2 - Typewritten manuscript (102 pages and unpagged appendixes, captions)

Folder 3 - Permissions  
Folder 4 - Photographs considered/used in book (approximately 90 b&w glossy)  
Folder 5 - Book publicity and promotion  
Folder 6 - Contract, rights, royalties  
Published hardback book with dust jacket (new)

**Box 27**

**9.8 A World Guide to Whales, Dolphins, and Porpoises** (Winchester, 1981)

Folder 1 - Correspondence with Winchester Press, 1979-1984 [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects; see 9.3, 9.7, and 9.10]

Folder 2 - Research Correspondence

Folder 3 - Typewritten manuscript, first draft

Folder 4 - Typewritten manuscript, second draft

Folder 5 - Typewritten manuscript, third draft, part 1

Folder 6 - Typewritten manuscript, third draft, part 2

Folder 7 - Permissions

Folder 8 - Photographs and illustrations considered/used in book (18 b&w photos, 12 illustrations, all but 3 photos from other sources)

**Box 28**

Folder 9 - Book publicity and promotion

Folder 10 - Contract, rights, royalties, purchases

Published paperback book (new)

**9.9 The Birdwatcher's Activity Book** (Stackpole, 1983)

Folder 1 - Correspondence, 1982-1986 (includes letters promoting new or revised book ideas)

Folder 2 - Outlines of content of proposed book

Folder 3 - Typewritten manuscript with editorial markup, pages 1-115

Folder 4 - Typewritten manuscript with editorial markup, pages 116-Index

Folder 5 - Typewritten photo, line art, map captions, and index

Folder 6 - Page proofs from publisher and dust cover mockup

**Box 29**

Folder 7 - Photographs/illustrations considered/used in book (approx. 63 b&w glossy and 8 illustrations)

Folder 8 - Permissions

Folder 9 - Book publicity and promotion

Folder 10 - Contract, royalties

**9.10 Guide to Owl Watching in North America** (Winchester Press, 1984 and reprinted by Dover Press, 1992)

Folder 1 - Correspondence with Winchester Press, 1981-1991 (includes 3 undated editor evaluations of the manuscript) [Winchester Press published 4 books by DSH, 1978-1984, and correspondence includes other books and projects; see 9.3, 9.7, and 9.8]

Folder 2 - Typewritten manuscript

Folder 3 - Captions and credits for photos and indexes

Folder 4 - Plate captions and silhouettes, dust jacket mockup

Folder 5 - Photographs used in book (62 b&w glossy, 1 colored, all but 3 photos from other sources)

**Box 30**

Folder 6 - Permissions

Folder 7 - Book publicity and promotion  
Folder 8 - Contract, rights, royalties, purchases  
Folder 9 - Dover reprint, 1992 (also includes 1987 correspondence with Pennsylvania State University Press regarding reprinting this title)  
Published paperback book (new)

**Box 31**

**9.11 The Migration of Hawks** (Indiana University Press, 1986)

Folder 1 - Correspondence with Indiana University Press, 1984-1995 (includes efforts to have IUP republish or reprint other books and publish new titles)  
Folder 2 - Detailed contents outline (includes deleted chapters and tables)  
Folder 3 - Literature Cited List (does not match the list published in book)  
Folder 4 - Manuscript sent to publisher, p. 1-175 (with printer marks)  
Folder 5 - Manuscript sent to publisher, p. 176-350 (with printer marks)  
Folder 6 - Manuscript sent to publisher, p. 351-525 (with printer marks)  
Folder 7 - Manuscript sent to publisher, p. 526-612, index, captions (with printer marks)

**Box 32**

Folder 8 - Chapters not used in book, p. 111-250  
Folder 9 - Chapters not used in book, p. 251-400  
Folder 10 - Chapters not used in book, p. 401-550  
Folder 11 - Chapters not used in book, p. 551-673  
Folder 12 - Tables not used in book, typewritten, no. 1-105  
Folder 13 - Tables not used in book, handwritten, no. 1-105

**Box 33**

Folder 14 - Page proofs  
Folder 15 - Illustrations  
Folder 16 - Permissions  
Folder 17 - Publicity and promotion  
Folder 18 - Contract, rights, royalties  
Published hardback book (new)

**Box 34**

**9.12 Wildlife Protectors Handbook** (Capra Press, 1992)

Folder 1 - Correspondence with Living Planet Press and Falcon Press, 1990-1991 (both publishers declined to publish the book)  
Folder 2 - Correspondence with Capra Press, 1991-1993  
Folder 3 - Typewritten chapters  
Folder 4 - Computer printed manuscript, 1991  
Folder 5 - Page proofs  
Folder 6 - Publicity and promotion  
Folder 7 - Contracts, rights, royalties  
Published paperback book (new)

**9.13 The Complete Backyard Birdwatcher's Home Companion** (Ragged Mountain Press, 2001)

**Box 35**

Folder 1 - Correspondence with publisher, pt. 1, 1998-June 1999  
Folder 2 - Correspondence with publisher, pt. 2, July 1999-2000  
Folder 3 - Correspondence with sources, A-B  
Folder 4 - Correspondence with sources, C-E  
Folder 5 - Correspondence with sources, F-Hel  
Folder 6 - Correspondence with sources, Hes-J  
Folder 7 - Correspondence with sources, K-M

**Box 36**

Folder 9 - Correspondence with sources, O-Pa

- Folder 10 - Correspondence with sources, Pe-R  
 Folder 11 - Correspondence with sources, S-W
- Box 37**  
 Folder 12 - Outlines (4 computer printed drafts, labeled 1st, 2nd, 4th draft (2 different drafts have the same number)  
 Folder 13 - Chapter 1 (6 computer printed drafts, Jan. 1999, editor's comments in July 1999, 4 later drafts labeled versions 1-4)  
 Folder 14 - Chapter 2 (4 computer printed drafts, Jan. 1999, editor's comments in July 1999, 2 later drafts labeled versions 1/2 and 3)  
 Folder 15 - Chapter 3 (4 computer printed drafts, Jan. 1999, editor's comments in Aug. 1999, 2 later drafts labeled versions 2-3)  
 Folder 16 - Chapter 3 (2 computer printed drafts, versions 4-5)  
 Folder 17 - Chapter 4 (undated computer printed draft)  
 Folder 18- Chapter 5 (3 computer printed drafts labeled versions 1 (with editor's comments)-3)
- Box 38**  
 Folder 19 - Chapter 6 (3 computer printed drafts labeled versions 1 (with editor's comments)-3)  
 Folder 20 - Chapter 7 (undated computer printed draft with editor's comments)  
 Folder 21 - Illustration captions (computer printed)  
 Folder 22 - Complete manuscript, pt. 1, front matter-chapter 3, computer printed  
 Folder 23 - Complete manuscript, pt. 2, chapters 4-6, computer printed  
 Folder 24 - Complete manuscript, pt. 3, chapters 7-9, computer printed
- Box 39**  
 Folder 25 - Complete manuscript, pt. 4, chapters 10-13, computer printed  
 Folder 26 - Complete manuscript, pt. 5, chapters 14-17, computer printed  
 Folder 27 - Complete manuscript, pt. 6, appendices and references, computer printed; color copy of front cover of book  
 Folder 28 - Permissions  
 Folder 29 - Publicity and promotion  
 Folder 30 - Contract, royalties  
 Published paperback book (new)
- Box 40**      **9.14 Hawks and Owls of Eastern North America** (Rutgers University, 2004)  
 Folder 1 - Correspondence, 2002-2003  
 Folder 2 - Computer printed manuscript with reader's comments, pt. 1  
 Folder 3 - Computer printed manuscript with reader's comments, pt. 2  
 Folder 4 - Copy edited manuscript, pt. 1  
 Folder 5 - Copy edited manuscript, pt. 2
- Box 41**  
 Folder 6 - Page proofs, pt. 1  
 Folder 7 - Page proofs, pt. 2  
 Folder 8 - Permissions (includes permissions for material reused from previous books)  
 Folder 9 - Publicity and promotion  
 Folder 10 - Contract, rights, royalties
- Box 42**      **9.15 Guide to Hawk Watching in North America** (Globe Pequot, 2004)  
 Folder 1 - Correspondence with publisher, 2002-2004  
 Folder 2 - Correspondence with content providers, 1999-2001  
 Folder 3 - Correspondence with content providers, 2002-Mar. 2003  
 Folder 4 - Correspondence with content providers, Apr.-Sep. 2003  
 Folder 5 - Page proofs, pt. 1, p. 1-200

**Box 43**

Folder 6 - Page proofs, pt. 2, p. 201-410  
 Folder 7 - Photographs and illustrations; 3 computer discs  
 Folder 8 - Permissions  
 Folder 9 - Publicity and promotion  
 Folder 10 - Contract, rights, royalties  
 Published paperback book (new)

**Box 44 Series 10 - Published pamphlets, leaflets, etc.**

- Folder 1 - *Hawks of New Jersey* (NJ State Museum, 1970, 103 p.)  
*Guide to Northeastern Hawk Watching* (privately published, 1972, 63 p.) with copyright certificate  
*Finding Birds in Trinidad and Tobago* (privately published, 1973, 32 p.) with copyright certificate  
*Wildlife and the Land: Background and Recommendations for a Public Land Use Policy* (Habitat New Jersey, 1974, 44 p., typewritten)  
*Field Guide to North American Swans* (Friends of Animals, 2002, 17 p.)  
*Black Vulture Fact Sheet* (Friends of Animals, 2002, 4 p.)
- Folder 2 - *Endangered or Threatened Birds and Mammals of Lehigh County, Lehigh Valley* (Audubon Society, 1976, 14 p.); research contributions by Bart Snyder, Cliff Miller, and Wiltraut; letter to Dale Steventon; draft copy; 2 newspaper articles about report
- Folder 3 - New Jersey State Museum Science Notes, no. 1-6, 8-10, 12-13 (1971-1973)  
*Age, Sex and Wing Lengths of Autumn Migrants from Central New Jersey* (1971, 9 p.)  
*Synopsis of New Jersey Hawk and Owl Identification* (1971, 7 p.)  
*Preliminary Survey of the Vertebrates of Tocks Island* (with Carl S. Oplinger, 1971, 18 p.)  
*Rare or Endangered Fish and Wildlife of New Jersey* (1971, 23 p.)  
*Birds of the New Land Research Reserve* (1971, 19 p.)  
*Some Autumn Bird Records From the Catfish Fire Tower, New Jersey* (1972, 8 p.)  
*Check-List of Birds in the New Jersey State Museum* (1972, 17 p.)  
*Spring Bird Banding Totals from Island Beach State Park, New Jersey* (1972, 6 p.)  
*Speculation on the Possible Origin of Some Sharp-Shinned and Red-Tailed Hawk Flights Along the Kittatinny Ridge, Autumn 1971* (1972, 6 p.)  
*1972 Autumn Hawk Count at Tott's Gap, Pennsylvania* (1973, 3 p.)  
*1972 Autumn Hawk Count at Raccoon Ridge, Warren County, New Jersey* (1973, 9 p.)
- Folder 4 - *All-Weather Hawk Watcher's Field Journal*, Darling (2002)
- Box 45** Folders 5-15 - *Canada Goose Habitat Modification Manual* (Friends of Animals, 2005, 16 p.)
- Box 46** Folder 16 - *Petition for a Kittatinny-Shawangunk National Raptor Migration Corridor* (2009) - spiral bound

**Series 11 - Journal, magazine, and newspaper publications****Box 47**

- Folder 1 - Periodical articles 1958-1960  
*The Susquehanna's Rookery Island* (Atlantic Naturalist, v. 13, no. 1, Jan-Mar. 1958, p. 4-6)  
*Hummingbirds in action* (Pennsylvania Game News, v. 29, no. 8, Aug. 1958, p. 53-54)
- Folder 2 - Periodical articles 1961-1963  
*Kermadec petrel in Pennsylvania* (Wilson Bulletin, v. 73, no. 3, Sep. 1, 1961, p. 262-267)  
*Return to Rookery Island* (Atlantic Naturalist, v. 16, no. 4, Oct-Dec. 1961, p. 241-242)  
*Diving times of a common goldeneye* (Wilson Bulletin, v. 75, no. 1-2, April 1963, p. 91)

*Bake Oven hawk flights* (Atlantic Naturalist, v. 18, July-Sep. 1963, p. 154-158)

*Bake Oven Knob migration observations* (Cassinia, no. 47, p. 39-40)

Folder 3 - Periodical articles 1964-1967

*Some waterfowl diving times* (Wilson Bulletin, v. 76, no. 3, Sep. 25, 1964, p. 291. Carole J. Newberry, joint-author)

*Spring and summer sparrow hawk food habits* (Wilson Bulletin, v. 76, no. 4, Dec. 29, 1964, p. 323-330)

*Autumn bird migration at Bake Oven Knob, Pa.* (Cassinia, no. 48, Mar. 1965. Thomas V. Armentano, joint-author)

*Cannibalism at a broad-winged hawk nest* (Auk, v. 83, no. 2, May 11, 1966, p. 307)

*Distribution and population density of barn owls in Lehigh and Northampton Counties, Pennsylvania* (Cassinia, no. 49, Oct. 1966, p. 2-19)

*The golden-winged warbler in Lehigh County in 1963* (Cassinia, no. 49, Oct. 1966, p. 32)

*Bake Oven Knob autumn hawk migration observations (1964 and 1965)* (Cassinia, no. 49, Oct. 1966, p. 33)

*Observations and comments on the aerial capture of prey by the sparrow hawk* (Linnaean News-letter, v. 20, no. 6&7, Nov.& Dec., 1966, p. 1-4)

*Something strange in the osprey's world* (Pennsylvania Game News, v. 38, no. 7, July 1967, p. 9-13)

*What do owls eat?* (Pennsylvania Game News, v. 38, no. 10, Oct. 1967, p. 21)

Folder 4 - Periodical articles 1968-1970

*Our eastern bluebird* (Pennsylvania Game News, v. 39, no. 3, Mar. 1968, p. 26-27)

*Empidonax hammonfii in Pennsylvania* (Auk, v. 85, no. 3, July 15, 1968, p. 512)

*An early unrecorded European widgeon specimen from North Carolina* (The Chat, v. 32, no. 3, Sep. 1968, p. 76-77)

*Clutch sizes, hatchability rates, and sex ratios of sparrow hawks in eastern Pennsylvania* (Wilson Bulletin, v. 80, no. 3, Sep. 1968, p. 306-311. Alexander C. Nagy, joint author)

*Hammond's flycatcher in Pennsylvania* (Pennsylvania Game News, v. 40, no. 3, Mar. 1969, p. 27)

*The black vulture in Pennsylvania* (Pennsylvania Game News, no. 40, no. 5, May 1969, p. 17-19)

*Autumn birds of Bake Oven Knob* (Cassinia, n. 51, 1969, p. 11-32)

*Ornithology at the New Jersey State Museum* (New Jersey Nature News, v. 25, no. 1, Mar. 1970, p. 21-23)

*Peregrines and pesticides: the extinction of a species* (Pennsylvania Game News, v. 41, no. 6, June 1970, p. 19-24. M. Edith Rutzmoser, lead author)

Folder 5 - Periodical articles 1971-1973

*An extraordinary autumn migration of white-breasted nuthatches* (Wilson Bulletin, v. 83, no. 2, June 1971, p. 129-131. Robert MacClay, joint author)

*The 1970 and 1971 autumn hawk counts at Bake Oven Knob, Pennsylvania* (Cassinia, no. 53, 1972, p. 3-23. Robert MacClay, joint author)

*The ospreys of Cedar Island* (Frontiers, v. 36, no. 4, April 1972, p. 8-11)

*Hawks across New Jersey* (New Jersey Nature News, v. 27, no. 3, Sep. 1972, p. 100-104)

[Book reviews of 4 titles] (New Jersey Nature News, v. 27, no. 3, Sep. 1972, p. 119-120)

*The importance of record keeping when watching hawk migrations* (California Condor, no. 7, no. 4, 1972, b. 6-7)

*A questionable swainson's hawk specimen from New Jersey* (Cassinia, no. 54, 1973, p. 31)

*The birder and ecological niche* (Kingbird, v. 23, no. 4, Oct. 1973, p. 176-178)

Folder 6 - Periodical articles 1974-1979

*The gannets of Bonaventure Island* (Frontiers, v. 38, no. 3, Spring 1974, p. 18-21)

*Bird survey on Aves Island* (Explorers Journal, v. 54, no. 2, June 1976, p. 65)

*Autumn hawk migrations* (Hawk Trust Annual Report, 1976, p. 37-43. Reprinted from Explorers Journal, Sep. 1975))

*Flock sizes of migrating Canada geese in eastern Pennsylvania in autumn* (Cassinia, no. 57, 1979, p. 25. Robert MacClay, joint author)

Folder 7 - Periodical articles 1980-1985 and American Hawkwatcher copyright correspondence

*Some recent raptor conservation efforts in Pennsylvania* (Sierra Club Pennsylvania Chapter Newsletter, special issue, Apr. 1980, p. 1, 3, 6)

*Diurnal raptors in Amazonia: general observations in the Amazon River basin* (Explorers Journal, v. 59, no. 3, Sep. 1981, p. 122-123)

*The 1979, 1980, and 1981 autumn hawk counts at Bake Oven Knob, Pennsylvania* (Cassinia, no. 59, Feb. 1982, p. 62-64. Barry Reed, joint author)

*Daily rhythms of migrating golden eagles and bald eagles in autumn at Bake Oven Knob, Pennsylvania* (Cassinia, no. 59, Feb. 1982, p. 65-67)

*Hours of observation at Bake Oven Knob, Pennsylvania hawk lookout (1957-1981)* (Cassinia, no. 59, Feb. 1982, p. 78)

*Comments on the white-footed goose in Lehigh County, Pennsylvania* (Cassinia, no. 59, Feb. 1982, p. 80)

*More autumn bird records from Bake Oven Knob, Pennsylvania (1976-1981)* (Cassinia, no. 56, Feb. 1982, p. 85)

*American Hawkwatcher correspondence about an ISSN and Library of Congress deposit requirements for the periodical, first issue Aug. 1982* [periodical located in Periodicals Collection]

*How about hawk watching?* (Ranger Rick's Nature Magazine, v. 16, no. 10, Oct. 1982. typewritten manuscript and correspondence with magazine, but no copy of magazine article)

*The Strange case of Hawk Mountain's petrel* (Bird Watcher's Digest, v. 8, no. 1, 1985, p. 41-45. typewritten manuscript, but no copy of magazine article)

Folder 8 - Periodical articles 1986-2010

*The Importance of using native plants in small stopover habitats* (Wild Ones Journal, v. 13, no. 5, Sep/Oct 2000, p. 1-2)

*Wind farms and animals* (Action Line, issue CXXX, Fall 2005, p. 28-29)

*Wind farms and animals* (News from the Mews, v. 9, issue 3, Winter 2005, p. 1, 3)

*A Brief history of the Bake Oven hawk watch* (The Hearthstone, Spring 2009, p. 24-29)

Folder 9 - *Naturalist's Niche* newspaper columns and correspondence with newspaper (Patriot, Kutztown, PA, 1998-2000)

1998, all page 2: *Birders have own language* (Mar. 12); *Get to know the opossum; Penna.'s unique marsupial* (Apr. 30); *'Mimic thrushes' enhance our environment* (May 28); *Learn about nature from American robin* (June 18); *Vultures: nature's mobile sanitation crew* (July 30); *Hawk watching sites abundant locally* (Aug. 27); *The Red-backed vole unique to Blue Mountain area* (Sep. 24); *Mountain ash berries provide food for wildlife* (Oct. 15); *Red and gray foxes are fascinating*

*eastern PA. predators (Nov. 19); Wildlife and nature books make excellent stocking stuffers (Dec. 18)*

1999, all page 2: *Reading 'sign' can be vital to the study of wildlife (Jan. 21); Ruby-throated hummingbird always a treat to see (Feb. 18); Migrating tundra swans a March spectacle (Mar. 18); Waterfowl have interesting habits for bird watchers to observe (Apr. 15); Spring wildflowers add color and beauty to landscape (May 6, p. 2, 8); A Housewife's study of sparrows produced ornithological landmark (May 20); Black rail discovery in Albany Township sparks local interest in secretive species (June 3); Wood thrushes are Pennsylvania woodland flutists (July 15); Multiflora rose: the plant that went astray (July 29); Migrating ospreys are spectacular birding attractions (Aug. 19); September is broad-winged hawk season ((Sep. 16); Silhouettes help birders identify some birds (Sep. 30); Muskrats are common wetland residents (Oct. 21); Landscape clearing wrecks landscape islands, corridors and stopover habitats, threatening many species our area (Nov. 18); Christmas tip: books enhance nature study for naturalists on your shopping list; Black Guillemot observed at Lake Ontelaunee (Dec. 16, p. 2, 8); Sad by true: extinction of a species is forever (Dec. 30)*

2000, all page 2: *Great horned owls begin nesting during winter (Jan. 20); Diving ducks and mergansers are underwater feeders (Feb. 17); Immunocontraception technology is at the cutting edge of modern wildlife management (Mar. 16); Turning your lawn into a wildlife-friendly backyard habitat for songbirds, etc. (Mar. 30); Wood warblers are colorful spring arrivals (Apr. 20); Bird watching can be an adventurous and rewarding hobby (May 18); Poisonous plants are common and varied (June 15); Nature photography is an enjoyable hobby (June 29); Everything you ever wanted to know about owls (July 20); Ecuador's Galapagos Islands offer a unique wildlife paradise adventure for nature lovers (Aug. 17, p. 2, 4); Maurice Broun: 'the father of hawk watching' (Aug. 31, p. 2,4); Postcard collecting adds a dimension to birding (Sep. 21, p. 2, 5); Chipmunks: charming little mammals (Oct. 26, p. 2, 3); Education about raptor protection continues (Nov. 16, p. 2, 4); Flycatcher sighting (Dec. 7)*

Folder 10 - *Naturalist's Niche* newspaper columns (Northwestern Press, 1998-2002) [columns that are duplicates of Patriot articles are not listed here; most columns illustrated with DSH's photographs]

1998 - *Bats are amazing and unique mammals (Sep. 21-27, 1998, p. A-20)*

1999 - *Sightings of other rails in the area (May 31, p. 2); Hawk Mountain nature study enhances the festive outdoor holiday season (Dec. 13-19, p. A-5 & 6)*

2000 - *Some march ducks are wetland surface feeders (Jan. 31-Feb.6); American chestnuts were keystone species (Oct. 23-29, p. A-8); Christmas is bird-counting, book-giving season ( Dec. 11-17, 2000, p. 12)*

2001 - *Preserving history by creating a birding resume (Apr 16-22, p. 7); Enjoying spring wildflowers in backyard habitats and afield (May 7-13, p. 23); Historic Bartram's garden: witness to the birth of American botany, horticulture, ornithology and the nation (June 4-10, p. 19); Ferns add elegance, beauty to area backyard habitats (June 18-24, p. 24); Eagle identification is birder's challenge (Sep 3-9, p. A-20); October is outdoor safari time for enjoying nature's colorful wonders (Oct 1-7, p. 20)*

2002 - *Looking at Pennsylvania's rich amphibian, reptile fauna* (Jan 28-Feb 3, p. 20);  
*Insects are important garden inhabitants* (Feb 28-Mar 3, p. 8); *Roadside raptor surveys continue in Heidelberg* (June 27, p. A4);

Folder 11 - Newspaper articles, 1998-2001 (many with DSH photographs)

*Hawk watch: outstanding lookouts & opportunities abound* (Northwestern Press, Aug 10-16, 1998, p. 13, 25)

*A gallery of native mammals* (Northwestern Press, Oct 19-25, 1998, p. A-13, B-8)

*Adventures in Antarctica* (Northwestern Press, Nov 16-22, 1998, p. 11, 28 and Nov 23-29, 1998, p. 13, 14)

*Adventures in the Galapagos Islands* (Northwestern Press, Apr 26-May 3, 1999, p. 11, 20 and May 3-9, 1999, p. A-13, B2, B3)

*Non-native plants encroach on state's natural flora* (Northwestern Press, July 5-11, 1999, p. 13 and July 12-18, 1999, p. 13-14)

*Open fires banned in state game lands and forests: outdoor activities hampered by drought* (Northwestern Press, Jul 26-Aug 1, 1999, p. 11)

*Peregrine falcon removed from endangered species list by U.S. Fish and Wildlife Service* (Patriot, Kutztown, PA, Aug. 26, 1999)

*The Covered bridges of Berks County* (Bux-Mont Newspapers, Boyertown, PA, 2000 tourist vacation visitors' guide supplement May 17-18, 2000, p. 33)

*Now is prime mountain laurel time* (Patriot, Kutztown, PA, June 15, 2000, p. 3)

*Memories of an organic gardening photographer: East Penn Publishing naturalist recalls days at Rodale Press* (Northwestern Press, July 17-23, 2000, p. 13)

*Gov. Ridge proclaims Hawk Watching Week* (Northwestern Press, Aug 7-13, 2000, p. 14)

*Mentoring begins passing the torch to a new generation* (Northwestern Press, Jul 30-Aug 5, 2001, p. 23, with 2 DSH photos)

*Valley raptor researchers receive worldwide support from colleagues folling terrorist attacks on U.S.* Northwestern Press, Sep 17-23, 2001, p. 5)

*Hawk Mountain is host to spectacular air show* (Times-News, Lehighton, PA, Nov 2, 2001)

*Now is prime mountain laurel viewing time* (Northwestern Press, no date)

Folder 12 - Letters to the editor

*Kestrels and killer whales* (Globe-Times, Bethlehem, PA, March 15, 1982; about role of Alex Nagy in kestrel research 1959-1996 and killer whales)

**Series 12 - Unpublished material** - arranged chronologically (the same arrangement as series 9 above except no publicity)

**Box 48**

**12.1 Whale Watcher's Illustrated Dictionary** (about 1981; in 1982/3 this proposed book was expanded to become chapter 9 of Whale Watching, see 12.2 below)

Folder 1 - Typewritten manuscript, 91 p., photo captions, permission letters, November 1980-April 1982

Folder 2 - Photographs/illustrations intended to be used in book (approx. 83 b&w glossy, 1 colored, 1 illustration, all but 8 photos from other sources)

**12.2 Whale Watching** (original date of 1983 crossed out and 1986 substituted)

Folder 1 - Typewritten manuscript, p. title page-135

Folder 2 - Typewritten manuscript, p. 136-297, index, photocopies of illustrations, captions, correspondence, 1983

**12.3 Hawkman: A Wildlife Odyssey** (begun as early as 1979, this copy was originally written in 1983; the copyright page was changed to 1985 for a later submission to a publisher)

Folder 1 - Correspondence, 1979-1990 (with various publishers: Winchester, Universe, Consolidated Amethyst Communications, Natural Heritage, Prentice-Hall, Stackpole, Capra)

Folder 2 - Typewritten manuscript, title page-173

**Box 49**

Folder 3 - Typewritten manuscript, p. 174-325

Folder 4 - Typewritten manuscript, p. 326-417, index, photo captions

**12.4 The Global Ark** (manuscript dated 1984)

Folder 1 - Typewritten manuscript, title page-175

Folder 2 - Typewritten manuscript, p. 176-349

Folder 3 - Typewritten manuscript, p. 350-521

**Box 50**

Folder 4 - Typewritten manuscript, p. 522-676

Folder 5 - Permissions, 1990 publisher rejection from Rutgers

**12.5 The Birdwatcher's Second Activity Book** (about 1984)

Folder 1 - Typewritten manuscript, 163 p.

Folder 2 - Permissions - 2 letters, 1984

**12.6 War and Wildlife: Effects of Military Activities on Wildlife and the Environment** (1991)

Folder 1 - Computer printed manuscript, 146 p.

Folder 2 - Book publisher proposal and letter to Capra Press, 1991

**12.7 A Field Guide to Swans of the World** (about 2010)

Folder 1 - Correspondence about proposed book, 2010

[The loose research material placed here is not a permanent part of this archival collection; it is to be replaced by the manuscript of the proposed book, now in possession of DSH; if the book is published, this series will be moved to series 9.16]

**Box 51**

**12.8 Pamphlets, articles, etc.**

Folder 1 - *Bird islands at sea* (1981, 7 typewritten pages); *Birds that see with their ears* (about oilbirds, 1982, 1 typewritten page, submitted to Ranger Rick's Nature Magazine); *A Birdwatcher's hall of fame* (undated, 6 typewritten pages);

**Series 13 - Motion pictures, slide shows, presentations, lectures, courses, workshops, etc.**

**13.1 Motion picture presentations (16 mm)**

**Boxes 52-54**

Cans 1-3 - Antillean Adventures - lecture copy (2 reels in 2 cans) and archival copy (2 reels in 1 can)

**Boxes 55-57**

Cans 4-6 - Eastern Birds for the Millions - lecture copy (2 reels in 2 cans) and archival copy (2 reels in 1 can)

**Boxes 58-59**

Cans 7-8 - Hawks, Owls, and Wildlife - lecture copy (2 reels in 2 cans)

**Boxes 60-63**

Cans 9-12 Serengeti Safari - lecture copy (2 reels in 2 cans) and archival copy (4 reels in 2 cans)

**Box**

**13.2 Presentations, lectures, workshops, courses**

Folder 1 - Records of presentations

Destination Wildlife (Philadelphia Academy of Natural Science, Feb.26, 1961); Sparrow hawk nest evolution (Delaware Valley Ornithological Club, Dec. 5, 1963); Predation ecology (lecture and slide show at Hawk Mountain, Sep. 24, 1966; certificates of thanks from Explorers Club for lectures Serengeti Safari, Mar. 6, 1975, and Journey to the Amazon, Dec. 3, 1976; Pennsylvania Raptor Conference brochure, June 14, 1980 (DSH moderated panel discussion); Audubon Wildlife Films promotional materials; DSH lists of presentations with dates, locations, and fees

Folder 2 - Carbon-Lehigh Intermediate Unit - agreements for teacher workshops, 1979-2002; courses titled:

Folder 3 - Carbon-Lehigh Intermediate Unit, 1979-2000 - correspondence, course proposals, course catalogs, expense vouchers, etc.; includes proposals for courses not accepted

Folder 4 - Carbon-Lehigh Intermediate Unit, 2001-2005 - correspondence, course proposals, course catalogs, expense vouchers, etc.; includes proposals for courses not accepted

Folder 5 - Carbon-Lehigh Intermediate Unit course preparation materials - CLUI manual for in-service programs, 1978; Pennsylvania Department of Education academic standards and course writer's manual, 2000-2001; Professional education online course for IU consultants, 2001

Folder 6 - Colonial Northampton Intermediate Unit - correspondence, course proposals, contracts, IU course catalog, class list for 2 courses taught in 1986: d Biology, Ecology, and Conservation for Elementary and Secondary Teachers and World Wildlife Conservation for Elementary and Secondary Teachers

**Series 14 - Published photographs** (includes BGT and OG) [Note that published photographs are also found in DSH's books, pamphlets, and articles]

Folder 1 - Audubon Nature Bulletin, series 18, no. 4, July 1958, series 27, no. 1, Oct. 1958, series 30, no. 2, Oct. 1962; Connecticut camp brochure, 1959

Folder 2 - Bethlehem Globe Times clippings (4) and list of Organic Gardening cover photographs, 1958-1967

Folder 3 - Miscellaneous publications (some not identified), including New York Times, Dec. 23, 1959; Allentown newspapers; York, PA, newspaper; Atlantic Naturalist, v. 34, 1981, p. 19; Northwestern Press, no date; Action Line, Fall 2002, p. 26

Folder 4 - Reader's Digest correspondence, 1972, 1980, 1981, 1987, for use of photos

Folder 5 - National Wildlife Federation/Ranger Rick correspondence, 1981-1992

**Box Series 15 - Slides, photographs, and negatives** (the work of DSH) - arranged by subject, species, location taken

**15.1 Slides (35 mm mounted in cardboard)**

**Animals**

Box 1 - Birds - approximately 600 color slides, with titles, US and international locations, 1960-2008 (largest number from 1960s, ) (roosters, paraquots, heath hens, passenger pigeons, petrels, gannets, pelicans, cormorants, egrets, herons, ibis, stork, shovellers, ducks, wigeons, teals, pintails, wild turkey, sora, gallinules, coots, oystercatchers, turnstones, sanderlings, sandpipers)

- Box 2 - Birds - approximately 400 color slides, with titles, Maine, New Jersey, Florida, Pennsylvania, 1964-2004 (gulls, terns, skimmers, puffins, auks, razorbills, guillemots, doves)
- Box 3 - Birds - approximately 360 color slides, with titles, Pennsylvania, 1957-2005 (hummingbirds, woodpeckers, flycatchers, blue jays, crows, ravens, purple martins, swallows and nests, chickadees, titmouse, bluebirds and nests, robins, thrashers, starlings, waxwings, ovenbirds, tanagers, sparrows, cardinals, grosbeaks, grackles, cowbirds, orioles, finches, parakeet, sapsucker, unidentified)
- Box 4 - Raptors - approximately 600 color slides, with titles, 1958-2004 (condor, vultures, osprey, bald eagle, hawks)
- Box 5 - Raptors - approximately 280 color slides, with titles, 1958-2004 (hawks, golden eagle, kestrel, falcon, owls)
- Box 6 - Geese - approximately 500 color slides, with titles, 1960-2005 (predominantly Canada and snow geese)
- Box 7 - Swans - approximately 660 color slides, with titles, 1997-2005
- Box 8 - Mammals, Herps, Insects - approximately 290 color slides, with titles, undated (beaver, cat, chipmunk, elk, fox, squirrel, wolf, opossum, porcupine, raccoon, vol, red fox, otter, deer, neotoma floridana droppings, toad, frog, newt, salamander alligator, turtle, snake, insects, unidentified)

#### **Plants**

- Box 9 - Trees - approximately 260 color slides, with titles, 1998-1999 with a few earlier and later dates (American chestnut, common catalpa, northern catalpa, American beech, apple, ash-leaf maple, black locust, black walnut, blue spruce, black spruce, common European buckthorn, common horse chestnut, Eastern hemlock, Eastern red cedar, eastern white pine, birch, northern red oak, Norway maple, Norway spruce, pin cherry, oak, pitch pine, red maple, royal paulownia, sassafras, shagbark hickory, silk tree, sycamore, tulip, weeping willow, cicada tree damage, unidentified)
- Box 10 - Shrubs - approximately 540 color slides, with titles, mostly 1998-1999, many undated (American holly, amur honeysuckle, autumn olive, bamboo, blackberry, black raspberry, blueberry, buttonbush, butterfly bush, common elderberry, common greenbrier, common spicebush, common virgin's bower, corn, crabapple, flowering dogwood, forsythia, goldflame honeysuckle, grape, hawthorne, Japanese barberry, Japanese flowering crabapple, Japanese snowball viburnum, kousa dogwood, lilac, magnolia, mountain ash, mountain laurel, multiflora rose, bittersweet, poison ivy, firethron pyracantha, pumpkins, sassafras, silky dogwood, sumac, winged euonymus, virginia creeper, winged sumac, Washington hawthorn, yarrow, yew, winterberry)
- Box 11 - Wildflowers - approximately 360 color slides, with titles, 1960s, 1998-2001, many undated (ferns, acorn banacles, American harebell, apple blossoms, arethusa bulbosa, bee balm, bittersweet nightshade, blue-eyed grass, blueflag iris, blueberry, bloodroot, black-eyed Susan, bluets, brook, broad-leaf arrowhead, bunchberry dogwood, butterfly weed, bryozian colony, calico aster, Canada bead-ruby, cardinal flower, celandine, chicory, Chinese lantern, chlorophyta, clematis, common blue violets, common dandelion, common fleabane, strawberry, cotton grass, crosswort, crown vetch, dame's rocket, day lily, devil's paint brush, Dutchman's breeches, dwarf wild rose, Eastern columbine, elderberry, false dragonhead, false Solomon's seal, field bindweed, fringed polygala, fungi, garlic mustard, goldenrod, grass-pink orchid, hardhack, hepatica, hibiscus, highbush cranberry, honeysuckle, hydrangia, hyssop, hollyhock, impatiens, Indian pipe)

- Box 12 - Wildflowers - approximately 360 color slides, with titles, 1960s, 1998-2001, many undated (iris, jack-in-the-pulpit, jewelweed, Labrador tea, lichens, marigolds and zinnias, marsh-marigold, Mayapple, milkweed, mountain cranberry, New England aster, old man's beard, painted trillium, petunia, vinca, pickerelweed, pink lady-slipper orchid, lady slippers, northern pitcher plant, pokeberry, purple cone flower, purple-dome aster, purple loosestrife, Queen Anne's lace, red clover, seaside goldenrod, sedum, sheep laurel, skunk cabbage, soybeans, spatterdock, sundew, sunflower, Jerusalem artichock, swamp milkweed, thistle down, thistle, trout lily, trumpet vine, turk's-cap lily, yellow slipper orchid, Washington lupine, waterlily, wild calla, wild ginger, wild pink azalea, wild yam, yellow bead lily, unidentified (about 95)
- Box 13 - Autumn leaves - approximately 245 color slides, with titles, primarily 1998-2004 (Lehigh County, Poconos, and surrounding areas)

### **Scenic**

- Box 14 - Backyard Habitat - approximately 280 color slides, with titles, eastern PA locations, 1998
- Box 15 - Kittatinny Raptor Corridor - approximately 260 color slides, with titles, 1998-2004 with some older slides dating back to 1960s (overlap of locations with Box 16; most of these slides look toward the mountain; 98 slides of Lehigh Gap and wildlife refuge)
- Box 16 - Hawk Watching Lookouts - approximately 700 color slides, with titles, 1956-1999 (Bake Oven Knob (about 290); Bearfort Fire Tower, NJ; Bear Rocks; Blue Mountain Summit; Cape May Point, NJ (about 70); Catfish Fire Tower, NJ; Hawk Mountain (about 125); Hawk Ridge, MN; Lehigh Furnace Gap (33); Lehigh Gap; Little Gap (29); Militia Hill, Fort Washington, PA (39); Montclair, NJ; Pinnacle; Raccoon Ridge, NJ; Rt. 183 Hawk Lookout; Scott's Mountain Hawk Lookout, Phillipsburg, NJ; Second Mt., Fort Indiantown Gap; Iacocco Hall, Lehigh University; State Hill Lookout, Berks County; Sunrise Mt., NJ; Waggoner's Gap)
- Box 17 - Creeks, rivers, lakes, wetlands - approximately 220 color slides, with titles, 1999-2003 (Lehigh Valley and surrounding counties)
- Box 18 - Parks, Refuges, and Scenic Areas (not local) - approximately 570 color slides, with titles, 1958-2005 (Acadia National Park, about 160 slides; Barnegat Light, NJ; Blue Ridge Parkway, about 180 slides; Brigantine National Wildlife Refuge; Corkscrew Sanctuary and Everglades, Florida; Island Beach State Park, NJ; Pierced Rock, Perce, Quebec; various California locations; Maine coast; northern PA; Susquehanna River; Shenandoah National Park; Tincum Wildlife Refuge; Green Mountains, Vermont; sunrise and sunset)
- Box 19 - Lehigh and Adjacent Counties, Scenery - approximately 340 slides, 1960-2005 (Appalachian Trail, Bake Oven Knob; Green Lane Reservoir, PA; Lake Muhlenberg; Lehigh Gorge; Lehigh Parkway; Middle Creek WMA with photos of people bird watching; Virginville, PA; South Mountain Preserve; Trexler Park; West Park; land development in Lehigh and Bucks; Hawk Hill Quarry, East Penn Twp.; Wessner Wetlands, Albany Twp.; Game Lands 205, Schnecksville; rural Lehigh County; Weisenberg Church; Hosensack and Powder Valley; winter scenes; drought scenes; Charlex Farm Kestrel Area)

### **Cultural**

- Box 20 - Historic Buildings - approximately 460 color slides, with titles, 1999-2004 (1803 House, Emmaus; Adam Bair Log Cabin, Weisenberg; Bartram Mansion, Philadelphia; Berks County Heritage Center, Wyomissing; Daniel Boone Homestead, Birdsboro; Emmaus Moravian Church, Emmaus; Fireman Statute, Slatington; Hans Herr House, Willow Street; Bethlehem, PA; Hunter's Cabin, Allentown; Locktender's House, Walnutport; Game Preserve Log House, Schnecksville; Mill Grove, Audubon; Pine Forge, PA; Shelter

House, Emmaus; Trout Hall, Allentown; Troxell-Steckel House, Egypt; Valley Forge, PA; WK&S Railroad, Kempton; Zeisloff Log Cabin, New Tripoli; Zion's Church, Old Zionsville)

- Box 21 - Pennsylvania Barns and Hex Signs - approximately 580 color slides, with titles, 2000-2002 (eastern PA)
- Box 22 - Covered Bridges - approximately 540 color slides, with titles, 1999-2004 (Berks, Bucks, Carbon, Lehigh, Monroe, Northampton, Lancaster Counties, PA and Sergeantsville, NJ)
- Box 23 - Festivals - approximately 280 color slides, with titles, 2002-2004 (Bake Oven Knob Hawkfest; Emmaus Farmers' Market; Emmaus Heritage Days; Kreidersville Covered Bridge Festival; Kutztown German Festival; Macungie Halloween decorations; Jasper Park Native American Day)
- Box 24 - Recycling - approximately 70 color slides, mostly unlabeled, 1971  
People - approximately 100 color slides, with titles, many undated (Tom Armentano; Maurice Broun; Roy Frock; Alan Grout; Paul Grout; Ed Reed; Charles Leck; Carl Oplinger; Ted Hake; Joe Jacobs; Ed Manners; Bob and Anna MacClay; Flora May Fritzges; Richard Gemmel; Don Turner; Alex Nagy; George Reynard; Fred Wetzel; Bill Sladen; Joyce Gilmore; Tineke and Wim van Gelder)

#### **International**

- Box 25 - East African Birds - approximately 400 color slides, with titles, 1972
- Box 26 - East African Mammals - approximately 560 color slides, with titles, 1972
- Box 27 - Trinidad and Tobago - approximately 500 color slides, with titles, 1967
- Box 28 - Amazon - approximately 575 color slides, with titles, 1974-1975
- Box 29 - Amazon and Islands - approximately 540 color slides, with titles, 1974-1975
- Box 30 - Ecuador and Peru - approximately 330 color slides, with titles, 1975 (about 135 from Ecuador, about 195 from Peru)
- Box 31 - Galapagos - approximately 620 color slides, with titles, 1974-1975
- Box 32 - Galapagos - approximately 460 color slides, with titles, 1974-1975
- Box 33 - Falkland Islands and Tierra Del Fuego - approximately 480 color slides, with titles, 1975 (about 405 from Falkland Islands, about 75 from Tierra del Fuego),
- Box 34 - South Georgia - approximately 580 color slides, with titles, 1975
- Box 35 - Antarctica - approximately 340 color slides, with titles, 1975-1976
- Box 36 - Antarctica - approximately 580 color slides, with titles, 1975-1976

#### **15.2 Photographs**

- Box 1 - Blue Mountain and rural Lehigh County - 56 color photos, 4 x 6 in., undated (views toward the mountain with rural landscape and wildflowers)
- Box 2 - Middle Creek Wildlife Management Area and tundra swans - 112 color photos, 4 x 6 in., 2002 (visitor center and grounds, people watching swans, swans)
- Box 3 - Barns and covered bridges
- Folder 1 - Whistling swan, 1979, matted, 11 x 14 inches, signed [not in box]

#### **15.3 Negatives [variety of sizes]**

### **Box Series 16 - Conservation and civic activities**

#### **16.1 Proclamations**

- Folder 1 - Lehigh County Raptor Migration Area, 1978 - press release, resolution, 2 newspaper articles
- Folder 2 - National Hawk Watching Week - correspondence to establish a national week, 1979

Folder 3 - State Hawk Watching Proclamations - Connecticut, 1983; Minnesota, 1983-1986; New Hampshire, 1983; New York, 1983; Pennsylvania, 1979-1985; West Virginia, 1982-1984; Wisconsin, 1983-1984 [oversize folder located after box xx on shelf]

Folder 4 - Tundra Swan Watching Week - Pennsylvania, 2010; Gary Blockus column in Morning Call, Feb. 2, 2010

### **16.2 Robin Hood Nature Center, 1968-1969**

Folder 1 - Newspaper articles - Morning Call, Aug.-Sep. 1968

Folder 2 - Proposal (14 p., July 1968) and correspondence, July-Oct. 1968 (69 letters)

Folder 3 - Steering committee - Report, Nov. 1968; correspondence and termination of project, Oct. 1968-July 1969

### **16.3 Trexler Dam, 1976-1977**

Folder 1 - Corps of Engineers press release and information for public meeting, 1976

Folder 2 - Corps of Engineers Final Environmental Impact Statement, 1973 and letter from DSH objecting to statement

Folder 3 - Corps of Engineers Final Supplement to Final Environmental Impact Statement, 1975

Folder 4 - City of Allentown Water Quality Investigation of the Jordan Creek Watershed, by Jeffrey J. Everett, Dec. 1976 (42 p.)

Folder 5 - Joint Planning Commission brochure, question and answer sheets, water supply alternatives, and chronology of Trexler Lake project, 1974-1976

Folder 6 - Allentown-Lehigh County Chamber of Commerce letter seeking support for dam, 1977

Folder 7 - Allentown Community of Neighborhood Organizations meeting on dam, 1977

Folder 8 - Corps of Engineers information workshop and public hearing, 1977; correspondence with elected officials related to attendance at meeting

Folder 9 - DSH testimony at public hearing, April 1977

Folder 10 - DSH's *Terrestrial Wildlife Report*, Feb. 1977 (42 p., half correspondence) and draft

Folder 11 - Correspondence relating to preparation of report, Jan-Feb. 1977 (33 people)

Folder 12 - Post Office correspondence related to anonymous crank mail and undelivered mail, Jan.-March 1977

Folder 13 - Letter to elected officials asking them to oppose the dam, 1976-1977

Folder 14 - Reports by DSH for Northwestern Lehigh Citizens Coalition on chemical pollution and wildlife and vascular flora (2 p. each) and 3 letters about vascular flora, Jan.-March 1977

Folder 15 - Lehigh Valley Environmental Federation newsletter with comments by Sanford T. Beldon about Trexler Dam

Folder 16 - Newspaper clippings, primarily Lehigh Valley papers, 1976-1977

Folder 17 - Research materials - studies, reports, letters, mostly by federal agencies

**Box**

### **16.4 Campaign for Tundra Swan Appreciation and Protection in Pennsylvania, 2002**

Folder 1 - Action plan prepared by DSH, March 2002 (42 p.); Advisory Committee members list, Aug. 2002; Meeting agenda, Oct. 2002; public service notice

### **16.5 Flying M Aerodrome, 2005-2006**

Folder 1 - Economic impact of Flying M; maps; airport grants; letters, newspaper articles, 2005-2006

**Box**

**16.6 Wildlife and Wind Energy Conference, 2006**

Folder 1 - Conference program and publicity

Folder 2 - Conference presenters

Folder 3 - Kutztown University arrangements

Folder 4 - Pennsylvania Game Commission policy, March 2006, and 2 letters

Folder 5 - Newspaper articles on wind energy; US GAO report on wind power impacts on wildlife, Sep. 2005; agenda for Wildlife Friendly Wind Power, Toledo, OH, June 2006

**16.7 Raptor Corridor Project, 2008-2009**

Folder 1 - Conservation Plan for the Kittatinny Ridge in Pennsylvania, Dec. 2006 (38 p.)

Folder 2 - Meeting agendas, 2008; working group members; summit proposal, 2009

Folder 3 - Correspondence, 2008 (5 emails)

Folder 4 - Proposals for designation of Kittatinny-Shawangunk Raptor Migration Corridor - 3 drafts, Dec. 2007-May 2008

Folder 5 - Title page and outline for a petition for designation of Kittatinny-Shawangunk Raptor Migration Corridor, 2009 (2 p.)

Folder 6 - Legal questions, 2008-2009, and endorsement letters for designation, Aug. 2010

Folder 7 - Map of proposed corridor

Folder 8 - Publicity - WIC information sheet (4 p.); newspaper and magazine coverage

Folder 9 - Computer disc with Petition and accompanying photos, June 2009

Folder 10 - Research material - newspaper articles, studies, National Historic Lookout Register, property rights, pamphlets

Folder 11 - Research material - National Register sites in Sussex and Warren Counties, NJ, June 2008

Folder 12 - Research material - National Register sites in Orange, Sullivan, and Ulster Counties, NY, June 2008

Folder 13 - Research material - National Register sites in Berks, Cumberland, Dauphin, Franklin, Lebanon, Monroe, Perry, and Schuylkill Counties, PA, June 2008

Folder 14 - Research material - Mohunk Preserve and Shawangunk Ridge Biodiversity Partnership, NY - brochures and letter, 2008

Folder 15 - Research material - *Status and management of fisher (Martes Pennanti) in Pennsylvania, 2008-2017*, by Matthew J. Lovallo, PGC, 2008 (40 p. printed from Internet)

- **16.8 Susquehanna-Roseland Power Line, 2010**

Folder 1 - DSH testimony at Aug. 2010 hearing (6 p.)

**Box**

**16.9 Lehigh County Log Cabin Trail, 2007-2010**

Folder 1 - Committee Meeting Agendas and Members, 2007-2008

Folder 2 - Correspondence

Folder 3 - News releases

Folder 4 - Publicity

Folder 5 - Original sketches and photos of cabins

Folder 6 - Lehigh County Log Cabin Trail brochure  
Folder 7 - Lists of log structures, owners, interview questions, and local historical societies  
Folder 8 - Handwritten notes by DSH and Greg Huber  
Folder 9 - Reference material - mostly photocopies from local histories, web searches, and local brochures  
Folder 10 - Owner permission letters  
Folder 11 - Letters of support/endorsement  
Folder 12 - Eagle Scout project - Chris Jones  
Folder 13 - Log Cabin Society of Michigan - correspondence, newsletters, tours

**Box Series 17 - Equipment, supplies used by DSH (in large box)**

Photographic - Nikkormat camera with Tamron SP lens and instruction manual; 2 Kodak Model A dark room lamps, with extra filter; 4 film developing canisters, assorted sizes (3 Nikor Products, Springfield, MA, 1 Simmon Omega, Japan); Kodak tank and tray thermometer (in envelope); General Electric Type T-48 interval timer, 120 seconds; Industrial Timer Corporation Signaling Time-O-Lite Model S-49, 60 minutes, Newark, NJ  
Field Work - Covered metal clipboard with observation sheets, bird silhouettes, low altitude aircraft flight data sheets, and Skyguard brochure; Thalson counter; Dwyer wind meter in case with instructions, Michigan City, IN; K E slide rule in case  
On shelves next to box: Roller-Smith balance in case, spotting scope mounted on wooden gun stock

**Series 18 - Books, journals, magazines, publications purchased by, presented to, or collected by DSH - arranged by form, subject, date**

**Series 19 - AV materials purchased by, presented to, or collected by DSH** (photos, slides, records, tapes, films, post cards, etc) - arranged by form, subject, date

Prepared by:  
Barbara L. Wiemann  
October 9, 2017

**Collection 3**  
**Ann Rehrig**  
**1 box**

***Guide to Eastern Ferns*, by Edgar T. Wherry. 2nd ed., rev. and enl. Lancaster, PA : Science Press, 1942.**

Inside front cover label: Mrs. Clair Rehrig, 124 N. 4th St., Lehighton

Handwritten front fly leaf inscription: "With the compliments of Edgar T. Wherry"

Occasional handwritten notes in book by Rehrig

***Wild Flower Guide: Northeastern and Midland United States*, by Edgar T. Wherry. Garden City, N.Y. : Doubleday & Company, Inc., 1948.**

Inside front cover label: Mrs. Clair Rehrig, 124 N. 4th St., Lehighton

Three handwritten front fly leaf inscriptions:

"With compliments of Edgar T. Wherry"

"Died May 1982 age 92" [written above the previous entry in a different hand, likely by Rehrig]

Three names and addresses for people in Texas, Florida, and New York City written below the first entry [possibly friends of Rehrig?]

Handwritten notes throughout the book

***North American Wildlife*, edited by Susan J. Wernert. Pleasantville, N.Y., Reader's Digest Association, 1984, c1982.**

Dried flower between pages 410-411

Bookmarks between pages 402-403, 492-493, and 504-505

**1 Loose-leaf Binder**

Approximately 6 x 9 inches, with lined note paper and 2 empty photo sleeves.

Most of the pages are not used. 21 pages contain handwritten lists of species observed at various locations, 1975-1979, 1981, 1985.

Prepared by:  
Barbara L. Wiemann  
October 30, 2014

**Collection 4**  
**Lehigh Gap Area Material**  
**2 Boxes and 1 Oversize Folder**

Note: More material can be found in other collections, especially Collection 5 (Marilyn Jordan) and Collection 7 (Roy Christman).

**Box 1**

**Series 4.1 Lehigh Gap Area**

**Folder 1 - Plants and Animals**

- Notes on the Summer Birds of Lehigh Gap, Pennsylvania, by James A. G. Rehn (photocopy from Cassinia, 1903, v. VII, p. 11-16)
- An Eighty Year Comparison of Bird Species Utilization at Lehigh Gap, Pennsylvania, by Barry Paul Reed (typewritten, 23 p., research in fulfillment of Masters degree at East Stroudsburg University, 1983)
- Lehigh Gap ecological assessment listing bird species and counts and bird checklist (compiled c2009)

**Folder 2 - Palmerton**

- Under Barren Hills of Gray, by Mark C. Urban, c1999 (15 p., computer printed)

**Folder 3 - New Jersey Zinc Company**

- NJZ Logo from the 1950s (Horse Head)
- Horsehead Industries, Inc. – printout from website, March 18, 2002
- Newspaper articles from Times News (April 4, Aug. 20, 2002; Feb. 5, 2004; undated, c2005)

**Folder 4 - Lehigh River and Gap area**

- Carbon County Assessor's Office Property Ownership Identification Maps, no. 30 and 42, Jan 2000 [land near Lehigh Gap]
- US Geological Survey map of Carbon County 1:24000 scale, rev. 1991
- Delaware River Basin, Lehigh River Watershed, and Lehigh Gap maps; with facts about the Lehigh River

**Series 4.2 Environment**

**Folder 1 - Soil and Plants**

- Simplification of the Blue Mountain Lichen Communities Near a Zinc Factory, by Thomas H. Nash III (Hydrologist, v. 75, p. 315-324, 1972)
- Contamination of Soil and Vegetation Near a Zinc Smelter by Zinc, Cadmium, Copper and Lead, by Marilyn J. Buchauer (Environmental Science and Technology, v. 7, no. 2, Feb. 1973)
- Effects of Zinc Smelter Emissions and Fire on a Chestnut-Oak Woodland, by Marilyn J. Jordan (Ecology, v. 56, p. 78-88, 1975)
- Effects of Zinc-Smelter Emissions on Forest Soil Microflora, by Jordan and Lechevalier (Canadian Journal of Microbiology, v. 21, p. 1855-1865, 1975)
- Lichens as Indicators of Air Pollution, by Thomas H. Nash III (Naturwissenschaften, v. 63, p. 364-367, 1976)
- Impact of Zinc Smelter Emission on Forest Litter Arthropods, by Carl Strojan (Oikos, v. 31, p. 41-46, 1978)

Forest Leaf Litter Decomposition in the Vicinity of a Zinc Smelter, by Carl Strojan (Oecologia, v. 32, p. 203-212, 1978)

Zinc Toxicity in Corn as a Result of a Geochemical Anomaly, by Judith A. Rosen and others (Plant and Soil, v. 50, p. 151-159, 1978)

The Smoke that Settled Over Palmerton, by Nelson Beyer (New Jersey Audubon, v. 9, no. 3, p. 14-16, 1983)

Damage to the Forest Ecosystem on Blue Mountain from Zinc Smelting, by W. Nelson Beyer (Trace Substances in Environmental Health, v. XXII, p. 249-262, 1988)

Ecotoxicological Damage from Zinc Smelting at Palmerton, Pennsylvania, by Beyer and Storm (Handbook of Ecotoxicology, p. 596-608, 1995)

Palmerton Region Soil Study, Environmental Geology Class Group Project, by Kurt Frieauf (Kutztown University, 2003 (3 p., computer printed)

#### **Folder 2 - Animals and Man**

Uptake of Cadmium, Zinc, Lead, and Copper by Earthworms near a Zinc-smelting Complex: Influence of Soil pH and Organic Matter, by Edelman, Beersum, and Jans (Bulletin of Environmental Contamination and Toxicology, v. 30, p. 424-427, 1983)

Lung Cancer in Relation to Environmental Pollutants Emitted from Industrial Sources, by Linda Morris Brown and others (Environmental Research, v. 34, p. 250-261, 1984)

Metal Contamination in Wildlife Living Near Two Zinc Smelters, by W. Nelson Beyer and others (Environmental Pollution, Series A, v. 38, p. 63-86, 1985)

Heavy Metals in White-Tailed Deer Living Near a Zinc Smelter in Pennsylvania, by Sileo and Beyer (Journal of Wildlife Diseases, v. 21, no. 3, p. 289-296, 1985)

Assessment of Aquatic Animal Communities in the Vicinity of the Palmerton, Pennsylvania, Zinc Smelters, by Carline and Jobsis (Environmental Toxicology and Chemistry, v. 12, p. 1661-1670, 1993)

Vertebrate Abundance and Wildlife Habitat Suitability near the Palmerton Zinc Smelters, Pennsylvania, by Gerald L. Storm and others (Archives of Environmental Contamination and Toxicology, v. 25, p. 428-437, 1993)

Persistence of Metals in Soil and Selected Vertebrates in the Vicinity of the Palmerton Zinc Smelters, by G. L. Storm and others (Journal of Environmental Quality, v. 23, p. 508-514, 1994)

[Metals risk to hikers and trail workers along the Appalachian Trail on Superfund Site], email by Dawn A. Ioven, EPA toxicologist, to Charlie Root, May 16, 2006

#### **Series 4.3 Super Fund Site and Remediation**

##### **Folder 1 - Environmental Protection Agency**

EPA Superfund Record of Decision: Palmerton Zinc Pile, EPA ID PA D002395887 OU 1, Palmerton, PA 09/04/1987 (19 p.)

Palmerton, PA: A Study in Superfund Deficiencies, by Mark Christopher Urban, c1998-1999 (15 p., computer printed)

##### **Folder 2 - Remediation Efforts**

Remediation of Metals - Contaminated Site Near a Zinc Smelter Using Sludge/Fly Ash Amendments: Herbaceous Species, by John A. Oyler (Trace Substances in Environmental Health, 1988, v. XXII, p. 306-320)

Remediation of Metals - Contaminated Site Near a Zinc Smelter Using Sludge/Fly Ash Amendments, by John A. Oyler (Proceedings of the 44th Industrial Waste Conference, May 9-11, 1989, p. 75-82)

Factors Contributing to Defoliation and Efforts to Revegetate Blue Mountain in the Vicinity of Palmerton, Pennsylvania (3 p., computer printed, c1989)

Reclaiming Blue Mountain: The Greening of a "Biological Desert" in Palmerton, Pennsylvania, USA (Ecologia Newsletter Archive, #3, Jan. 1990)

Carbon County, Pennsylvania, Reclamation of Palmerton Superfund Site (Biosolids Success Stories, Water Environment Federation, 2000, p. 167-178)

Innovative Organic Amendments Continue to Stabilize Slopes at Smelter Site, by Charlie Root (EPA Technology News and Trends, issue 26, p. 1-2, Oct. 2006)

CBS Trail Guard Schedule, March-April 2008

## **Box 2**

### **Series 4.4 Photographs**

#### **Folder 1 - General Views of Lehigh Gap area (arranged chronologically)**

1900s – view of wooded gap and view of village of Lehigh Gap

1906 – view of gap looking north, showing dam for canal, chain link bridge, towpath, and paint mill

Before 1911 – view of gap looking south, from east side, with Jersey Central tracks, road under tracks, canal and chain bridge

Undated – aerial view of gap with Palmerton and view of gap looking north, from road on east side of gap

Undated – Pulpit Rock (photocopy of page from book)

1950s? – two views of gap, looking north, showing road, buildings, and L&NE bridge with trains on bridge

1950 and 1993 – two views of gap, from north looking south (1993 view is an aerial photo)

Undated – 2 views of gap looking south, taken from same spot, one before the cantilever and one after the cantilever was built

1983 August – views of gap and mountain, taken from roof top looking south

1984 September – view of mountain, taken from north looking south

1984 October – view of gap, town, and mountain taken from sand quarry

1985 January – views of East Plant pollution and mountain above Palmerton

1985 June – view of gap from north looking south

1987? – view of gap from north looking south and view of East Plant, town and mountain looking east

1987 July – view of gap from northeast looking over Palmerton and view of Marshall's Hill from Rt. 248

1990 Nov – view of gap and mountain looking south; on verso of photo "taken below Yonduras formin home"

1990s? – 5 views (3 sheets) of gap views (4 taken from L&NE road bed on east side and one from near Palmerton)

1991 March -2 views of East Plant and town looking north from top of Blue Mt.

1992 October – 4 views (2 sheets) taken from Marshall's Hill

1997 - view of gap and northern slope of Blue Mt taken from north looking south

1997 – views of gap and mountain, looking south, probably taken from Stony Ridge

2002 October – views of west side of gap

Undated – winter view of gap from north, with cantilever, by Francis Payonk

#### **Folder 2 - Roads and Canal**

Before May 1926 – Chain Link Bridge with wooden towers

1925? -photocopy of photo taken from village of Lehigh Gap, looking south, showing Aquashicola aqueduct, canal boat basin, buildings, L&NE bridge and road through gap and small photo of same views (attributed to Mankas)

Undated after 1912 – views of canal in operation with aqueduct

1962 – aerial view of new cantilever highway and views of interchange with West Plant and town

#### **Folder 3 - Railroads in the Gap**

Undated newspaper photo – L&NE bridge with steam engine no. 402

Undated – view of L&NE bridge looking east from west end

Undated – view of diesel freight train on L&NE bridge, looking east from west end

Undated – view of L&NE bridge with engine and caboose on bridge, looking north with road, village of Lehigh Gap and Marshall's Hill visible

Undated – one view of L&NE bridge, perhaps from Devil's Pulpit and two views of trains on LVRR tracks after 1967

1988 August – 12 photos (6 sheets) of L&NE right of way at east end of bridge exit of Rt. 248)

Undated (between 1967-1984) – LVRR freight heading south of gap with view of houses on west side (now Osprey House) [oversize standing next to box]

#### **Folder 4 - New Jersey Zinc Company and Palmerton**

1950 (circa) – view of West Plant

1981 and 1984 – pollution from West Plant

1984 October – view of East Plant cinder bank and mountain

1985 April and 1986 July – views of West Plant pollution

1985 June – West Plant in operation

1987 June – view of East Plant cinder bank and mountain, looking south, possibly from Stony Ridge

1987 June – views of East Plant with mountain in background, from north looking south

1987 July – view of East Plant cinder bank

#### **Folder 5 – Conservation**

Undated – view of dead birds with shotguns propped against trees [Oversize beside box 2]

#### **Series 4.5 Slides**

##### **Folder 1 – Appalachian Trail (trail; views from trail and side trails)**

Sheet 1 - Dec. 1980 (6 slides); May 1981 (1 slide)

Sheet 2 – Dec. 1984 (8 slides including plants along trail)

Sheet 3 – Feb. 1994 (18 slides)

Sheet 4 – July 1996 (1 slide); Dec. 1996 (2 slides)

Sheet 5 – July 1997 (19 slides including Devil's Pulpit)

Sheet 6 – July 1997 (2 slides)

Sheet 7 – April 1998 (9 slides); July 1998 (3 slides including rattlesnake)  
Sheet 8 – July 1999 (19 slides)

**Series 4.6 – Realia**

**Folder 1 – Shotgun casings**

**Lehigh Gap Transportation Guide for Dating Photos**

**Roads - Dirt Road thru gap - 1746**

**Road Paved -**

**Road Straightened (Underpass removed) -**

**Four Lane Cantilever Built - 1962**

**Bridges - Chain Bridge Built - 1826**

**Chain Bridge Damaged by Fire - May 1926**

**Chain Bridge Reopened with metal towers - June 1927**

**Road Bridge Build Across Lehigh River - September 1931**

**Chain Bridge Removed - 1934**

**Canal - Built - 1829**

**Closed - 1932**

**Railroads-Lehigh Valley RR on lower west side - 1855**

**LVRR tracks removed - 1984**

**New Jersey Central on lower east side - 1864**

**Chestnut Ridge RR on upper east side (connector to NJZ) - open 1900**

**Lehigh & New England on upper west side to upper east side - built 1911, opened July 1912**

**L&NE abandoned - 1961**

**L&NE Trestle over Lehigh River removed - September 1967**

**Prepared by:**

**Barbara L. Wiemann**

**May 7, 2018**

**Rev. July 8, 2019**

**Collection 5**  
**Marilyn Jordan**  
**5 boxes, rolled map, 4 boxes of slides, 24 publications,**  
**sieve, framed photographs**

Note: The collection in folders 1-35, photo albums 1 and 2, envelopes 1-20, and 4 slide boxes was organized and labeled by Jordan; her organization and labeling has been retained. The material in folders 36-49 was not in folders when donated and was arranged by LGNC.

**Box 1 - Folders 1-15**

**Folder 1: Newspaper Articles - Research Heavy Metals**

Varied Exploitation Has Hurt Area. [no source, but likely from Morning Call]. (includes photo of gap from east side Appalachian Trail looking southwest and photo of Marshall's Mansion]

Lehigh Water Gap Regarded as Long-Neglected Natural Wonder. Morning Call, Sep. 9, 1968. (includes 2 photos of gap from east side looking north)

Big Zinc Strike Made in South; Test Data Indicate Its Potential, by Robert A. Wright. New York Times, 1969?

Effects of Air Pollution in Palmerton Area Are Studied in Research Project. Carbon County Times-News & Record (Lehighton, PA), July 17, 1969. (includes 3 photos of Jordan)

Blue Mountain Pollution Probe Begun; Researchers Check Air, Soil. Morning Call, July 18, 1969, p. 28. (article about Jordan's research)

Concourse to Hear About Pollution. Palmerton Post, Nov. 5, 1970. (announces presentation by Jordan to Concourse Club)

Pollution Ills 'Baffle' Palmerton's N.J. Zinc. Morning Call, Nov. 6, 1970, p. 40. (article about Jordan's presentation to Concourse Club and Zinc Co. perspective)

U.S. Waters Contain 7 Toxic Metals. New York Times, March 31, 1971.

Further Oyster-Cadmium Study Urged. New York Times, April 12, 1971.

3 Fish Caught Near A Battery Factory on the Hudson Contain Up to 1,000 Times Normal Cadmium. New York Times, June 13, 1971.

Lichens Like Life, But Shun Man as a Poison. Home News (New Brunswick, NJ). Sep. 29, 1971. (photocopy of article)

**Folder 2: NJ Zinc - Emissions Inventory**

NJZ operations, production, processes, materials inventory information; flow diagrams (hand drawn by Jordan) of East and West Plants; emission estimates; correspondence with J. Ord, J. F. Smith of NJZ, 1971

**Folder 3: NJ Zinc - Correspondence & Data 1968-1973**

Map of zinc content of stream sediment in Allentown-Bethlehem area, 1967; correspondence with J. F. Smith of NJZ and others, mainly 1968-1970

**Folder 4: NJ Zinc 1977**

Correspondence with NJZ officials; publications correspondence

The Grass is Greener on the Other Side of the Fence? Nope; In Palmerton, the Next Lawn May Be As Awful As Yours Thanks to the Zinc Fallout, by Daniel Machalaba. Wall Street Journal, April 18, 1977, p.1, 23 (newspaper clipping)

**Folder 5: Zinc - Chemistry & Metallurgy**

Zinc, Cadmium, and Mercury. Photocopy of p. 129-139 of Principles of Chemistry, by Joel H. Hildebrand and Richard E. Powell. 6th ed. New York, Macmillan Company, n.d.)  
Handwritten notes from Encyclopedia of Chemical Reactions, by C. A. Jacobson, v. 8, 1959.  
Zinc, edited by C. H. Mathewson. New York, Reinhold. Photocopy of selected pages.

**Folder 6: Historical Information - Palmerton, PA**

Letter from Jack McCormick, Waterloo Mills Field Research Station, Devon, PA (includes 1903 description of Gap by James A. G. Rehn; chestnut trees)  
Notes on the Summer Birds of Lehigh Gap, by James A. G. Rehn (photocopy of article, includes list of birds)  
History of Northampton, Lehigh, Monroe, Carbon and Schuylkill Counties, by I. Daniel Rupp. Harrisburg, Hickok and Cantine, 1845. Photocopy of p. 112-115, 226-227.  
Silver Anniversary of the Founding of Palmerton, PA, 1898-1923 (photocopy of p. 61-65)  
Golden Jubilee of the Incorporation of the Borough of Palmerton, Pennsylvania, 1912-1962. Photocopy of p. 72-73.  
Guide to the Appalachian Trail from Connecticut-N.Y. State Line to Susquehanna River, PA. New York, NY-NJ Trail Conference, 1948 (handwritten; trail description Fox Gap to Wind Gap)

**Folder 7: Poplar Plantings, 1972-1975**

Report on Lehigh Gap Plantings (May 1976), by M. P. Lechevalier. Wakeman Institute of Microbiology, Rutgers University

**Folder 8: Pennsylvania Topographical Maps & Self Adhesive Overlay**

7.5 minute quadrangles: Palmerton, 1960; Palmerton, 1970; New Tripoli, 1956; New Ringgold, 1969; Kunkletown, 1960; Stroudsburg, 1955; Lehighton (partial photocopy) with fire data and notes)  
Packet from T. J. Donahue Co. with information about mipofolie and folioplast self adhesive film

**Folder 9: Ecology Paper - Environmental Science and Technology**

Correspondence and illustrations related to Jordan's publications, 1973, 1975

**Folder 10: Air Photography**

Environmental System Corporation, Knoxville, TN (brochure about company's services)  
Handwritten notes (1 p.) from The Uses of Air Photography, by J.K. St. Joseph, ed.  
Color Photography for Oak Wilt Detection. Journal of Forestry, v. 61, no. 10, Oct. 1963  
Identification of Tree Species on Large-Scale Panchromatic and Color Aerial Photographs, by Heller, Doverspike, and Aldrich. US Forest Service, 1964. Agricultural Handbook No. 261  
Aerial Remote Sensing Research in Forestry, by Robert C. Heller. Proceedings, Society of American Foresters, Detroit, Michigan, 1965  
Detection and Classification of Ash Dieback on Large-Scale Color Aerial Photographs, by Ralph J Croxton. US Forest Service, 1966  
A Test With Large Scale Aerial Photographs to Sample Balsam Woolly Aphid Damage in the Northeast, by Heller, Lowe, Aldreich, Weber. Journal of Forestry, v. 65, no. 1, Jan. 1967  
Remote Sensing of Water Pollution, by Leonard W. Ham. Journal, Water Pollution Control Federation, v. 40, no. 10, Oct. 1968  
Airborne Surveillance of Air Pollution by Spectral Photography, by Paul Berry and Kenneth Markussen. Division of Air Resources, NY State Dept. of Health, Oct. 10, 1968 (with letter from author)  
Letter from Jordan to Aero Service Corp., Philadelphia, Dec. 4, 1968 (inquiry about developing infrared aerial photography techniques to detect pollution, assess vegetation damage)  
Untitled paper to be presented at the Annual Meeting of the Air Pollution Control Association, June 22-26, 1969 (technique for estimating tree damage from smog using aerial photography) with synopsis

Synopsis of previous research, identifying author as Robert N. Larsh, Durham, NC

#### **Folder 11: Pollution - Smelter Studies**

- Injury to Vegetation and Animal Life by Smelter Wastes, by J. K. Haywood. US Dept. of Agriculture Bureau of Chemistry Bulletin No. 113 rev., 1910
- Damage to Forests and Other Vegetation by Smoke, Ash and Fumes from Manufacturing Plants in Naugatuck Valley, Connecticut, by J. W. Toumey. Journal of Forestry, v. 19, 1921
- Betydelsen for Vaxternas Utveckling av ur Rokgaser Utfallda Mangder Xink Och Bly I Jorden, by H. Lundegardh. Stockholm, 1927. (with an English summary; influence of zinc and lead precipitated from factory fumes on the development of plants)
- injury to Northwestern Forest Trees by Sulfur Dioxide from Smelters, by Scheffer and Hedgcock. US Forest Service Technical Bulletin No. 1117, June 1955
- Some Effects of Smelter Pollution Northeast of Falconbridge, Ontario, by Eville Gorham and Alan G. Gordon. Canadian Journal of Botany, v. 38, p. 307-312, 1960
- Ecological Aspects of Air Pollution from an Iron-Sintering Plant at Wawa, Ontario, by Alan G. Gordon and Eville Gorham. Canadian Journal of Botany, v. 41, p. 1063-1078, 1963
- Influence of an Iron-Sintering Plant on Corticolous Epiphytes in Wawa, Ontario, by D. N. Rao and Fabius LeBlanc. Bryologist, v. 70, no. 2, Summer 1967
- Wplyw Hutnictwa Cynku Na Gleby, by Jan Greszta and Stefan Godzik. Roczniki Gleboznawcze, v. XX, no. 1, p. 195-215, Warsaw, 1969 (in Polish, with English synopsis on p 215)
- The Determination of Heavy Metals on Plant Material for the Detection and Demarcation of Air Pollution Damage from Metallurgy, by D. Kerin. Presented at the XV. Congress of the International Union of Forest Research Organizations. IUFRO-Working Group on Fume Damage Section Forest Protection - 24, March 14-21, 1971, Gainesville, FL
- A Survey of Zinc, Lead and Cadmium in Soil and Natural Vegetation Around a Smelting Complex, by P. Little and M. H. Martin. Environmental Pollution, v. 3, 1972, p. 241-254.
- Agriculture and Landscape - Part II, Northwest Connecticut Trip (itinerary and commentary, undated)

#### **Folder 12: Soils and Heavy Metal**

- Typed notes (1 p.) from pages 1019 and 807 of Soils & Men, Yearbook of Agriculture, 1938. US Dept. of Agriculture
- Chemical Status of Zinc in the Soil with Methods of Analysis, by P.L. Hibbard. Hilgardia, v. 13, p. 1-29, Jan. 1940
- Some Zinc Relationships in Soils and Plants, by Shreve S. Woltz. Rutgers University PhD thesis, May 1951 (photocopy of selected pages and bibliography)
- Zinc Status of New Jersey Soils, by Woltz, Toth, and Bear. Soil Science, v. 76, p. 115-122, 1953
- Trace element Distribution in Virgin Profiles Representing Four Great Soil Groups, by Wright, Levick, and Atkinson. Soil Science Society Proceedings, v. 19, p. 340-344, 1955
- Chemistry of Zinc Added to Soils and Clays, by J.L. Nelson and S.W. Melsted. Soil Science Society of America Proceedings, v. 19, no. 4, p. 439-443, Oct. 1955
- A Comparison of Several Chemical Methods With the Bio-Assay Procedure for Extracting Zinc from Soils, by T.C. Tucker and L. T. Kurtz. Soil Science Society of America Proceedings, v. 19, no. 4, p. 477-481, Oct. 1955
- Radioisotope Studies With Soils and Plants, by R. Leyden. Rutgers University PhD thesis, 1956 (photocopy of selected pages and bibliography)
- Handwritten note, based on Vinogradov's range of ppm totals
- Spectrographic Study of the Distribution of Trace Elements in Some Podzolic Soils, by Connor, Shimp, and Tedrow. Soil Science, v. 83, no. 1, -. 65-73, Jan. 1957

Handwritten notes (1 p,) from Distribution of Trace Elements in ten Soil Profiles:

- Spectrochemical Methods and Results, by Jane Connor. PhD thesis, May 1956
- Zinc and Soil Fertility, by L.F. Seatz and J.J. Jurinak. US Dept. of Agriculture Yearbook, 1956, p. 115-121
- Copper and Soil Fertility, by W. Reuther. US Dept. of Agriculture Yearbook, 1957, p. 128-135
- Toxic Elements in Soils, by F Bear. US Dept of Agriculture Yearbook, 1957, p. 171
- Effect of Soil type on Mobility of Zinc in the Soil and on its Availability from Zinc Sulfate to Tung, by Barrows, Neff, and Gannon. Soil Science Society Proceedings, v. 24, p. 367-371, 1960
- Zinc Retention by Soils, by Nels R. Benson. Soil Science, v. 101, no. 3, p. 171-179, 1966
- Heavy-Metal Contamination of Soils, by J.V. Lagerwerff. Published in Agriculture and the Quality of Our Environment, ed. by N.C. Brady. AAA Publication 85, 1967, p. 343-364
- Trace-Element Contamination of Parklands in Urban Areas, by D. Purves and E. Jean Mackenzie. Journal of Soil Science, v. 20, no. 2, p. 288-290, 1969
- An Occurrence of Naturally Lead-Poisoned Soil at Kastad Near Gjovik, Norway, by Lag, Hvatum, and Bolviken. Norges Geologiske Undersokelse, Nr. 266, p. 141-159, 1969
- Lead in Soils and Plants: Its relationship to traffic Volume and Proximity to Highways, by Motto, Daines, Chilko, and Motto. Environmental Science & Technology, v. 4, no. 3, p. 231-237, March 1970
- Atmospheric Lead: Its Relationship to Traffic Volume and Proximity to Highways, by Daines, Motto and Chilko. Environmental Science & Technology, v. 4, no. 4, p. 318-322, April 1970
- Contamination of Roadside Soil and Vegetation with Cadmium, Nickel, Lead, and Zinc, by J. V. Lagerwerff and A. W. Specht. Environmental Science & Technology, v. 4, no. 7, p. 583-586, July 1970
- Characterization of Bottom Sediments: Cation Exchange Capacity and Exchangeable Cation Status, by S. J. Toth and A. N. Ott. Environmental Science & Technology, v. 4, no. 11, p. 935-939, November 1970
- Lead in a Connecticut Salt March, by T. G. Scama and Elliot Porter. New Haven, CT, Yale University School of Forestry, 1971 (unpublished paper, with letter from Scama, Oct. 11, 1971)
- Role and Function of Humus in Soil with Emphasis on Adsorption of Herbicides and Chelation of Micronutrients, by F. J. Stevenson. BioScience, v. 22, no. 11, p. 643-650, November 1972
- Factors Affecting Plant Uptake and Phytotoxicity of Cadmium Added to Soils, by John, VanLaerhoven, and Chuah. Environmental Science & Technology, v. 6, no. 12, p. 1005-1010, November 1972
- The Copper, Lead, and Zinc Content of Metamorphic Rocks on Mt. Moosilauke, New Hampshire, by D. P. Dethier and W. H. Schlesinger. Ohio Journal of Science, v. 73, no. 1, p. 58-61, January 1973
- Heavy Metals: Fallout Around a Power Plant, by D. H. Klein and Philip Russell. Environmental Science & Technology, v. 7, no. 4, p. 357-358, April 1973
- Literature Cited, from paper by F. Munshower, University of Montana (2 typed pages)
- Folder 13: Heavy Metals - Water, Air, Tissue**
- Abnormal Trace Metals in Man: Cadmium, by H. A. Schroeder and J. J. Balassa. Journal of Chronic Diseases, v. 14, no. 2, p. 236-257, August 1961
- "Psychogenic" Death: A Reappraisal, by G.V. Barrett and R. H. Franke. Science, v. 167, p. 304-206, January 16, 1970

Handwritten notes (1 page) about a pending bill in Congress that would set standards for hazardous pollutants, from Conservation Foundation Letter, Oct. 1970, p. 7

Typewritten notes (1 page) from Environmental Action, v. 2, no. 23, p. 10, April 17, 1971 about untreated water supplies

Metals Focus Shifts to Cadmium. [no source], v. 5, no. 9, p. [754]-755, September 1971

How Dangerous Are Metals in our Food and Environment. Good Housekeeping, p. 215-217, November 1971

Medifacts: Personal Pollution. Woman's Day, 1971

Cadmium in the Environment, by Friberg, Piscator, and Nordberg. Cleveland, OH, CRC Press, 1971. (photocopy of selected pages)

Mercury Concentrations in Museum Specimens of Tuna and Swordfish, by Miller, Grant, Kishore, Steinkruger, Rowland and Guinn. Science, v. 175, p. 1121-1122, March 10, 1972

Lead, Mercury, and Cadmium as Environmental Contaminants, by J. V. Lagerwerff. From *Micronutrients in Agriculture*, Madison, WI, Soil Science Society of America, c1972, p. 593-636

Handwritten note with citations to potential sources

Handbook of Environmental Control. Volume I: Air Pollution, edited by R. G. Bond and Conrad P. Straub. Cleveland, OH, CRC Press. (photocopy of selected pages)

Heavy Metal Concentrations and Deposition in Bulk Precipitation in Montane Ecosystems of New Hampshire, USA, by Schlesinger, Reiners, and Knopman. Environmental Pollution, v. 6, p. 39-47, 1974

Lead, Cd, Zn, Cu, and Co in Streams and Lake Waters of Cayuga Lake Basin, New York, by Kubota, Mills, and Oglesby. Environmental Science & Technology, v. 8, no. 3, p. 243-248, March 1974

Mercury Monitoring Technique Using an Organic Substrate, by L. G. Williams and G. L. Coffee. Journal Water Pollution Control Federation, v. 47, no. 2, p. 354-361, February 1975

**Folder 14: Heavy Metals - Physiology, Bio Systems**

Heavy Metals in Biological Systems, by R.J.P. Williams

Effect of Cadmium on Electron and energy Transfer reactions in Corn Mitochondria, by Miller, J.E. Bittell and D.E. Koeppe. *Physiol. Plant.*, v. 28, p. 166-171, 1973

Lead, Copper, and Cadmium Concentrations in Small Mammals in the Hubbard Brook Experimental Forest, by W.H. Schlessinger and G.L. Potter. *OIKOS*, v. 25, p. 148-152, 1974

**Folder 15: Arenaria**

Torrey: *Arenaria Patula* in Pennsylvania, by Harold W. Pretz. *Bulletin of the Torrey Botanical Club*, v. 81, no. 5, p. 455-456, Sep. 1954

Two marked photocopies of topographical maps

**Box 2: Folders 16-32**

**Folder 16: Winona Specht MS Thesis, 1973**

The Effect of Heavy Metals Upon the Diversity and Abundance of Benthic Macroinvertebrates: A Thesis in Ecology, by Winona L. Specht. Pennsylvania State University, 1973 (includes letter, dated March 20, 1974, from Specht to Jordan; research conducted in Palmerton)

**Folder 17: Marianne Burke**

2 sheets charting soil pH, cation exchange capacity, and percent base saturation in 15 ridge sites between Harrisburg and NJ/NY line and sampling locations

**Folder 18: Thomas Nash PhD Thesis, 1971**

Effect of Effluents from a Zinc Factory on Lichens, by Thomas Nash III. Rutgers University, 1971

**Folder 19: Hollace Cole MS Thesis, 1971**

The Effect of Airborne Cement Kiln Dust on the Structure and Composition of Upland Vegetation in Warren County, New Jersey, by Hollace H. Cole. Rutgers University, 1971.

**Folder 20: Carl Strojan PhD Thesis, 1975**

The Ecological Impact of Zinc Smelter Pollution on Forest Soil Communities, by Carl L. Strojan (2 page abstract and p. 76)

Forest Leaf Litter Decomposition in the Vicinity of a Zinc Smelter, by Carl L. Strojan. *Oecologia*, v. 32, p. 203-212, 1978

The Impact of Zinc Smelter Emissions on Forest Litter Arthropods, by Carl L. Strojan. *Oikos*, v. 31, no. 1, p. 41-46, 1978.

**Folder 21: Pennsylvania Soils, Geology, Misc.**

9 maps showing soils and geology of area  
map of Palmerton, 1929

Lafayette College Geology Club Field Trip, October 22, 1966 (includes Lehigh Gap geology)

**Folder 22: PhD Research Contacts**

3 pages of contacts

1978 letter from Duke University Press listing Jordan's share of fee for permission to reprint

**Folder 23: Illinois - Depue**

2 pages and 1 punch card with notes about Depue

map of Bureau County, Illinois with notes about Depue

**Folder 24: Meteorology Data**

1968 wind direction data for New Jersey Zinc Co.

Palmerton weather data, 1918-1966 (temperature, precipitation, relative humidity, barometric pressure)

Palmerton rainfall chart, 1918-1966

**Folder 25: Fire [see also rolled topographic maps]**

Topographic maps of Blue Mountain with hand drawn fire data (5 maps and duplicates)

7 pages of notes on fires on Blue Mountain

**Folder 26: Jeffrey Lappin, 1970**

The Distributional Response of a Natural Forest Ecosystem to Air and Soil Pollution, by Jeffrey Lappin. Rutgers, 1970 (4 pages)

1 pages of notes on tree species on Blue Mountain near Palmerton

**Folder 27: Boyce Thompson Institute and APCA Reprints**

Susceptibility of Plants to Hydrofluoric Acid and Sulfur Dioxide Gases, by P. W. Zimmerman and A. E. Hitchcock. Contributions from Boyce Thompson Institute, v. 18, no. 6, p. 263-279, Jan-Mar. 1956

The Histopathological Effects of Ozone on Plant Foliage, by Ledbetter, Zimmerman and Hitchcock. Contributions from Boyce Thompson Institute, v. 20, no. 4, p. 275-282, Oct.-Dec. 1959

Distribution Studies of Radioactive Fluorine-18 and Stable Fluorine-19 in Tomato Plants, by Ledbetter, Mavrodineanu, and Weiss. Contributions from Boyce Thompson Institute, v. 20, no. 5, p. 331-348, Jan.-Mar. 1960

Effects of Atmospheric Fluoride on Metabolic Constituents of Tomato and Bean Leaves, by L. H. Weinstein. Contributions from Boyce Thompson Institute, v. 21, no. 4, p. 225-231, Oct.-Dec. 1961

- Results of Ten Year's Work (1951-1960) on the Effect of Fluorides on Gladiolus, by Hitchcock, Zimmerman, and Coe. Contributions from Boyce Thompson Institute, v. 21, no. 5, p. 303-344, Jan.-Mar. 1962
- The Effect of Fluorides on Milo Maize (Sorghum SP.), by Hitchcock, Zimmerman and Coe. Contributions from Boyce Thompson Institute, v. 22, no. 4, p. 175-206, Oct.-Dec. 1963
- A Semi-Automated Method for the Determination of Fluorine in Air and Plant Tissue, by Weinstein, Handl, McCune, Jacobson, and Hitchcock. Contributions from Boyce Thompson Institute, v. 22, no. 4, p. 207-220, Oct.-Dec. 1963
- Fluoride Accumulation and Growth of Plants Exposed to Particulate Cryolite in the Atmosphere, by McCune, Hitchcock, Jacobson, and Weinstein. Contributions from Boyce Thompson Institute, v. 23, no. 1, p. 1-12, Jan.-Mar. 1965
- Effect of Mineral Nutrition on the Growth and Sensitivity of Gadiolus to Hydrogen Fluoride, by McCune, Hitchcock, and Weinstein. Contributions from Boyce Thompson Institute, v. 23, no. 8, p. 295-300, Oct.-Dec. 1966
- The Concept of Hidden Injury in Plants, by McCune, Weinstein, MacLean, and Jacobson. In Agriculture and the Quality of our Environment, ed. by N. C. Brady. Washington, DC, AAAS Publication 85, 1967, p. 33-44
- Some Effects on Atmospheric Fluoride on Plant Metabolism, by McCune, Weinstein, Jacobson, and Hitchcock. APCA Journal, v. 14, no. 11, p. 465-468, Nov. 1964
- Effects of Fluorine Compounds on Vegetation, with Special Reference to Sweet Corn, by Hitchcock, Weinstein, McCune and Jacobson. APCA Journal, v. 14, no. 12, p. 503-508, Dec. 1964
- Studies on the Measurement of Fluoride in Air and Plant Tissues by the Willard-Winter and Semiautomated Methods, by Jacobson, McCune, Weinstein, Mandl, and Hitchcock. APCA Journal, v. 16, no. 7, p. 367-371, July 1966
- The Accululation of Fluorine by Plants, by Jacobson, Weinstein, McCune, and Hitchcock. APCA Journal, v. 16, no. 8, p. 412-417, Aug. 1966

**Folder 28: Air Pollution - Method**

- Sootfall and Dustfall Analysis (Photocopy of chap. 3, p. 36-45, from unknown book)
- A Rapid Emission Survey Procedure for Industrial Air Pollutants, by Wohler, Jackson, and Butmania. Journal of the Air Pollution Control Association, v. 19, no. 5, p. 309-314, May 1969
- A Microscopic Classification of Settled Particulates Found in the Vicinity of a Coke-Making Operation, by R. A. Herric and L. G. Benedict. Journal of the Air Pollution Control Association, v. 19, no. 5, p. 325-328, May 1969
- Field Evaluation of an Improved Sulfation Measurement System, by Huey, Waller and Robson. National Air Pollution Control Administration Paper No. 69-133

**Folder 29: Air Pollution - General**

- Adaptive Strategy for Air Pollution, by Frederick Sargent II. BioScience, p. 691-697, 1967  
1 page with 2 citations

**Folder 30: Meteorology, Climate, Air Pollution**

- The Importance of Several Meteorological Elements in the Spreading of Smoke, by R. D. Fletcher and N. E. Manos. Bulletin of the American Meteorological Society, v. 31, no. 10, p. 365-370, Dec. 1950
- Meteorological Monographs, v. 1, no. 4, Nov. 1951

Vertical Distribution of Atmospheric Properties and Air Pollution, by Hans Neuberger. Presented at the 46th Annual Convention of the Air Pollution Control Association, May 25-28, 1953, Baltimore, MD

Evaluation of Weather Effects, by Gosline, Falk, and Helmers. Section 5 of Air Pollution Handbook, ed. by Magill, Holden, and Ackley. New York, McGraw Hill, 1956

The Biological Control of Chemical Factors in the Environment, by Alfred C. Redfield. American Scientist, p. 205-221, Sep. 1958

Climate Modification by Atmospheric Aerosols, by R. A. McCormick and J. H. Ludwig. Science, v. 156, p. 1358-1359, June 9, 1967

Continuous Point Source Plume Behavior Out to 160 Miles, by Kendall E. Peterson. Journal of Applied Meteorology, v. 7, p. 217-226, Apr. 1968

The Production of Potential Ice Nuclei by Gasoline Engines, by G. M. Morgan Jr. and P. A. Allee. Journal of Applied Meteorology, v. 7, p. 241-246, Apr. 1968

The Inadvertent Modification of the Atmosphere by Air Pollution, by Vincent J. Schaefer. Bulletin of the American Meteorological Society, v. 50, no. 4, p. 199-206, April 1969

An Atmospheric Scientist Views Environmental Pollution, by James P. Lodge Jr. Bulletin of the American Meteorological Society, v. 50, no. 7, p. 530-532, July 1969

8 pages of handwritten notes

#### **Folder 31: Sulfur and SO<sub>2</sub>**

Sulfur Content of Plants, by John Frazer. Plant Physiology, v. 10, p. 529-535, 1935

Sulfur Content of Vegetation, by Thomas, Hendricks, and Hill. Soil Science, v. 70, p. 9-18, 1950

The Lead Dioxide Estimation of Sulfur Dioxide Pollution, by N. A. Huey. Journal of the Air Pollution Control Association, v. 18, no. 9, p. 610-611, Sep. 1968

Control of Sulfur Oxide Emissions from Primary Copper, Lead and Zinc Smelters - A Critical Review, by Konrad T. Semrau. Journal of the Air Pollution Control Association, v. 21, no. 4, p. 185-194, April 1971

#### **Folder 32: Vegetation and Pollution**

The Plant as an Index of Smoke Pollution, by Arthur G. Ruston. Annals of Applied Biology, v. 7, p. 390-402, 1921.

Observations on the Effect of Sulphur Dioxide on Native and Introduced Vegetation, by Arthur T. Evans. South Dakota Academy of Sciences Proceedings, v. 11, p. 27-32, 1926-1927.

The Use of Weeds as a Means of Evaluating Vegetation Damage Caused by Air Pollution, by H. M. Benedict and W. H. Breen. National Air Pollution Symposium Proceedings, v. 3, p. 170-190, 1955

Vegetation as a Measure Indicator of Air Pollution: Part 1. The Pine (*Pinus-Taeda*), by Bieberdorf, Shrewsbury, McKee, and Krough. Bulletin of the Torrey Botanical Club, v. 85, no. 3, p. 197-200, May 1958

Control of Processes Sensitive to Zinc in Plants and Microorganisms, by C. A. Price. Chapter 5 in Zinc Metabolism, comp. by Ananda S. Prasad. Springfield, IL, Charles C. Thomas, Publisher

A Method for Determining Quantitative Zinc Requirements for Growth, by C. A. Price and J. W. Quigley. Soil Science, v. 101, no. 1, p. 11-16, 1966

Lichen Growth and Cities: A Study on Long Island, New York, by Irwin M Brodo. The Bryologist, v. 69, no. 4, p. 427-449, Winter 1966

Auto Exhaust Fumes Threaten Crops, by Walter Sullivan. New York Times, Aug. 13, 1967

Response of Crownvetch Planted on Anthracite Breaker Refuse, by Czapowskyj, Mikulecky, and Sowa. US Forest Service Research Note NE-78, 1968

- Sulfur Dioxide and Plant Response, by Robert H. Daines. *Journal of Occupational Medicine*, v. 10, no. 9, p. 516-524, Sep. 1968
- Using Vegetation to Stabilize Mine Tailings, by T. H. Peters. *Journal of Soil and Water Conservation*, v. 25, no. 2, p. 65-66, Mar.-Apr. 1970
- Electrical Generation of Natural Aerosols from Vegetation, by Birney R. Fish. *Science*, v. 175, p. 1239-1240, Mar. 17, 1972

**Box 3: Folders 33-41, Photo Album 1**

**Folder 33: Heavy Metal Toxicity to Plants, 1926-1968**

- Influence of Lead and the Metallic Ions of Copper, Zinc, Thorium, Beryllium and Thallium on the Germination of Seeds, by Walter J. Dilling. *Annals of Applied Biology*, v. 13, p. 160-167, 1926
- Über die Wirkung des Bleis auf das Pflanzenwachstum, von K. Scharrer und W. Schropp. *Z. Pflanzenernähr., Düngung u. Bodenk.*, v. 43, p. 34-43, 1936
- Sand- und Wasserkulturversuche über die Wirkung des Zink- und Kadmium Ions, von K. Scharrer und Schropp. *Z. Pflanzenernähr., Düngung u. Bodenk.*, v. 34A, p. 14-29, [n.d.]
- The Relation of Hydrogen-Ion Concentration to the Availability of Zinc in Soil, by Wreal L. Lott. *Soil Science Society of America Proceedings*, v. 3, p. 115-121, 1938
- An Investigation of the Effect of Zinc Sulphate on Plants, by Gwenda N. Davies. *Annals of Applied Biology*, v. 28, p. 821-84, 1941
- Effects of Aluminum on Copper Toxicity, As Revealed by Solution-Culture and Spectrographic Studies of Citrus, by Liebig, Vanselow, and Chapman. Riverside, CA, Univ. of California Citrus Experiment Station Paper no. 450 [c1942]
- Minor Element Studies with Soybeans: I. Varietal Reaction to Concentrations of Zinc in Excess of the Nutritional Requirement, by E. B. Earley. *Journal of the American Society of Agronomy*, [p. 1012-1023, about 1943]
- The Poisoning of Plants by Zinc, by F. Knowles. *Agricultural Progress*, v. 20, p. 16-19, 1945
- Study of the Toxicity Symptoms of Eight Heavy Metals Upon Tomato Fruit, by Giddens, Hanna, and Tedrow. 1949 (1 page typed summary of findings)
- Effects of different Levels of Zinc and Phosphorus on the Growth of Subterranean Clover (*Trofolium Suberraneum L.*), by C. R. Millikan, *Australian Journal of Agriculture Research*, v. 14, no. 2, p.180-205. [c1962]
- Cadmium Uptake by Vegetables from Superphosphate in Soil, by M. A. Schroeder & J. J. Balassa. *Science*, v. 140, p. 819-820, 1963?
- Dual Pattern of Ion Absorption by Plant Cells and by Plants, by Emanuel Epstein. *Nature*, v. 212, p. 1324-1327, Dec. 17, 1966
- The Localization of Zinc-65 in Germinating Corn Tissues, by Carmen Diez-Altaires and Elemer Bornemisza. *Plant and Soil*, v. 26, no. 1, p. 175-188, Feb. 1967
- Response of Plant Species to Concentrations of Zinc in Solution. I. Growth and Zinc Content of Plants, by M. D. Carroll and J. F. Loneragan. *Australian Journal of Agriculture Research*, v. 19, p. 859-868, 1968

**Folder 34: Heavy Metal Toxicity to Plants, 1970-1972**

- Effect of inc on Translocation of Iron in Soybean Plants, by Ambler, Brown and Gauch. *Plant Physiology*, v. 46, p. 320-323, 1970
- Occurrence of Environmental Cadmium and Zinc, and Their Uptake by Plants, by J. V. Lagerwerff and A. W. Specht. Presented at 4th Annual Conference of Trace Substances in Environmental Health, Univ. of Missouri, June 22-25, 1970

- Lead Contamination of Roadside White Pine, by William H. Smith. *Forest Science*, v. 17, no. 2, p. 195-198, 1971
- Uptake of Cadmium, Lead and Zinc by Radish from Soil and Air, by J. V. Lagerwerff. *Soil Science*, v. 111, no. 2, p. 129-133, 1971
- Cadmium and Zinc Toxicity and Synergism to Floating Aquatic Plants, by T. C. Hutchinson and Halina Czyrska. *Water Pollution Research in Canada, 1972* (incorporating the Proceedings of the Seventh Canadian Symposium on Water Pollution Research, p. 59-65
- The Occurrence of Lead, Cadmium Nickel, Vanadium, and Chloride in Soils and Vegetation of Toronto in Relation to Traffic Density, by T. C. Hutchinson. *International Conference of Automobile Pollution, Toronto, June 1972*
- Chemistry and Occurrence of Cadmium and Zinc in Surface Water and Groundwater, by John D. Hem. *Water Resources Research*, v. 8, no. 3, p. 661-679, June 1972
- Cadmium Absorption and Growth of Various Plant Species as Influence by Solution Cadmium Concentration, by Paige, Bingham, and Nelson. *Journal of Environmental Quality*, v. 1, no. 3, p. 288-291, July-Sep. 1972
- Accumulation of Metals in Spruce Needles and Needle Litter, by Ingvar Nilsson. *Oikos*, v. 23, no. 1, p. 132-136, 1972
- Zink- und Cadmium-Immissionen auf Boden und Pflanzen in der Umgebung einer Zinkhütte, von Wilfried Ernst. *Bericht der Deutschen Botanischen Gesellschaft*, v. 85, no. 7-9, p. 295-300, 1972
- Factors Affecting Plant Uptake and Phytotoxicity of Cadmium Added to Soils, by John, VanLaerhoven, and Chuah. *Environmental Science & Technology*, v. 6, p. 1005-1009, Nov. 1972

**Folder 35: Heavy Metal Toxicity to Plants, 1973, 1997**

- Cadmium Uptake by Plants, by F. Haghiri. *Journal of Environmental Quality*, v. 2, no. 1, p. 93-6, Jan.-Mar. 1973
- Effect of Cadmium treatment on Cadmium and Zinc Uptake by Selected Vegetable Species, by M. A. Turner. *Journal of Environmental Quality*, v. 2, no. 1, p. 118-119, Jan.-Mar. 1973
- Lead Uptake of Selected Tree Seedlings, by Gary L. Rolfe. *Journal of Environmental Quality*, v. 2, no. 1, p. 153-157, Jan.-Mar. 1973
- Cadmium Content of Soybeans Grown in Sewage-Sludge Amended Soil, by Jones, Hinesly, and Ziegler. *Journal of Environmental Quality*, v. 2, no. 3, p. 351-353, July-Sep. 1973
- Heavy Metal Tolerance in Algae Isolated from Polluted Lakes Near the Sudbury, Ontario Smelters, by Stokes, Hutchinson, and Krauter. *Water Pollution Research in Canada, 1973, 8th Annual Symposium*, p. 178-201
- Heavy Metal Toxicity and Algal Bioassays, by T. C. Hutchinson and P. M. Stokers. Paper given at Water Quality Parameters Conference, Chemical Institute of Canada, Canada Centre for Inland Waters, Nov. 19-21, 1973
- Plants to the Rescue: Crops with Big Appetites for Certain Elements could be Key Players in Soil Cleanup, by A. Maureen Rouhi. *Chemical & Engineering News*, p. 21-23, Jan. 13, 1997

**Folder 36: Thesis, 1971, p. 1-100**

**Folder 37: Thesis, 1971, p. 101-223**

**Folder 38: Thesis, 1971, p. 224-328**

**Folder 39: Thesis, 1971, Illustrations**

**Folder 40: Thesis, 1971, Photographs**

- Effects of Zinc and Cadmium Pollution on Vegetation and Soils, by Marilyn Jordan Buchauer. Rutgers University, August 1971

**Folder 41: Post Doctoral Work, Rutgers, 1972-1973**

Application for fellowship; 2 acceptance letters; 1 page summary of address to Ecological Society of America Meetings, Amherst, Mass., June 17-22

**Photo Album 1**

Fungi of Blue Mountain, Pennsylvania: Genera Other Than Mortierella, Penicillium & Paecilomyces, 1972-1973. Approximately 80 photographs mounted on 20 pages in green coil bound and magnetic photo album. Cover title: Fungi

**Box 4: Photo Album 2, Folders 42-48**

**Photo Album 2**

Penicillium, Mortierella, 1973. Approximately 64 photographs mounted on 16 pages in green coil bound and magnetic photo album. Title from cover

**Folder 42: Blue Mountain Microbes Data 1972-73**

Charts and notes containing microbe data collected during post doctoral work; letter from Hubert Lechevalier to Byron H. Waksman, June 19, 1973, containing a one paragraph summary of Jordan's post doctoral work

**Folder 43: Microbes Paper - Fungi**

Correspondence, revisions, illustrations for paper published by Canadian Journal of Microbiology, 1975 [see next folder]

**Folder 44: Publications - 1973, 1975, 1997**

Contamination of Soil and Vegetation Near a Zinc Smelter by Zinc, Cadmium, Copper, and Lead, by Marilyn J. Buchauer. Environmental Science & Technology, v. 7, p. 131-135, Feb. 1973 [8 copies]

Effects of Zinc Smelter Emissions and Fire on a Chestnut-Oak Woodland, by Marilyn J. Jordan. Ecology, v. 56, no. 1, p. 78-91, Winter 1975 [5 copies]

Effects of Zinc-Smelter Emissions on Forest Soil Microflora, by Marilyn J. Jordan and May P. Lechevalier. Canadian Journal of Microbiology, v. 21, no. 11, p. 1855-1865, 1975 [4 copies]

Nitrogen Cycling in Forest and Grass Ecosystems Irrigated with 15N-Enriched Wastewater, by Marilyn J. Jordan, Knute J. Nadelhoffer, and Brian Fry. Ecological Applications, v. 7, no. 3, p. 864-881, 1997

**Folder 45: Lead - 1989, 1991**

Review of the National Ambient Air Quality Standards for Lead: Exposure Analysis Methodology and Validation, by OAQPS Staff. Research Triangle Park, NC, EPA, June 1989

Preventing Lead Poisoning in Young Children: A Statement by the Centers for Disease Control. Oct. 1991. (Chapter 3, p. 17-26)

**Folder 46: John Washington MS Thesis, 1985**

Metallic Contamination Surrounding a Zinc Smelter, by John William Washington. Pennsylvania State University, 1985.

**Folder 47: Palmerton Study, 1994**

Biologic Indications of Exposure to Cadmium and Lead, Part I, Palmerton, Pennsylvania. Agency for Toxic Substances and Disease Registry. US Department of Commerce National Technical Information Service, June, 1994. PB94-17655

**Folder 48: Palmerton Studies, 1994-1996**

Hazardous Substances Source Identification Study: Palmerton Zinc Cercla NPL Site, Carbon County, Pennsylvania, vol. 1, by Michael J. Ketterer and Joe H. Lowry. Denver, CO, National Enforcement Investigations Center, June 1994. EPA-330/2-94-029

Palmerton Lead Exposure Study, Fall, 1994: Final Report, performed for the Palmerton Environmental Task Force, by Advanced Geoservices Corp. Northeastern Pennsylvania Vector Control. University of Cincinnati, Oct. 1996

Palmerton Air Deposition Study, 1982-1995: Research Paper, prepared by Gradient Corporation. Cambridge, MA, Oct. 1966

**Box 5: Envelopes 1-22, Folder 49**

**Envelope 1 - Photographs of Lehigh Gap Area**

11 photographs of the Lehigh area c1900-1960 (plus 2 duplicates) and 11 negatives; 1969 obituary of John Mankos; photo of unknown area, c1890; photo and negative of aftermath of pre-1900 logging in Pennsylvania

**Envelope 2 - Aerial Photos, 1930s-1959**

19 aerial photos of Palmerton area and Kittatinny Ridge taken in 1938, 7 taken in 1939, 2 in 1947, 2 in 1959, and 1 in 1964, all from National Archives Record Group 145

**Envelope 3 - Micrographs**

33 sleeves of 35 mm negatives, July and August 1972 (rolls 1-6)

**Envelope 4 - Micrographs**

57 sleeves of 35 mm negatives, October 1972 (rolls 7-13, 19-21)

**Envelope 5 - *Betula Populifolia***

19 sleeves of 35 mm negatives, November 1972 (rolls 14-18), 15 prints

**Envelope 6 - Fungi and Colony Photos**

62 sleeves of 35 mm negatives (rolls 22-33)

**Envelope 7 - Planting Poplars; Oaks and Zinc**

17 photographs [envelope stamped Nov. 10, 1971, but many of the photos have a later date]

**Envelope 8 - *Sassafras Albidum* Pots and Roots**

11 photographs and negatives of *sassafras albidum* pots and roots, August 1971

**Envelope 9 - Oak Seedlings**

1 negative [envelope stamped April 2, 1973]

**Envelope 10 - Shenandoah National Park Ghost Forest**

2 photographs of dead chestnut trees at Big Meadows and accompanying letter from Park Superintendent dated May 3, 1971

**Envelope 11 - Hybrid Poplars, Palmerton 1973**

2 sleeves of 35 mm negatives, June 6, 1973, labeled poplars, arenaria

**Envelope 12 - *Quereus Rubra*, *Nyssa Sylvatica***

13 sleeves of 35 mm negatives, May 1972; 9 photographs; small note

**Envelope 13 - *Populus Tremuloides***

11 sleeves of 35 mm negatives, May 1972; 11 photographs

**Envelope 14 - Zinc, Cadmium Tests**

3 sleeves of 35 mm negatives, 8 photographs, first rough trials, June 1972

**Envelope 15 - Zinc, Cadmium Tolerance Tests**

3 sleeves of 35 mm negatives, 12 photographs, July 1972

**Envelope 16 - Metal Tests**

5 sleeves of 35 mm negatives, 10 photographs, July 1972

**Envelope 17 - PhD Research Data, Graphs**

12 sleeves of 33 mm negatives, ten 4 x 5 inch negatives

**Envelope 18 - Publication Images**

4 graphics (and duplicates) prepared for 1973 publication

**Envelope 19 - Figures for Publication, Maps, Diagrams**

24 sleeves of 35 mm negatives, four 4 x 5 inch negatives, one 2 x 3 inch negative (used in the 3 publications in folder 44)

**Envelope 20 - Publication Images**

Graphs, Charts, Photographs used in thesis and publications

**Envelope 21 - Compass**

Metal, black, 2 1/8 inches in diameter, stamped Lensatic Compass on case, "Academy " printed on face of dial. Used by Jordan in her field work

**Envelope 22 - Flash Drives**

2 drives containing scanned material from folders 1, 2, 3, 18, 25, 36-40 and envelope 1

**Folder 49 - Three Loose Items Not Assigned**

Small note about a telephone call with Rufus Chaney of USDA, June 20, 1981

Bagging results chart (handwritten on sheet of computer paper), 1969?

Vegetation Response to Lime and Manure Compost Amendments on Acid Lead/Zinc Mine

Tailings: A Greenhouse Study, by Ye, Wong and Wong. *Restoration Ecology*, v. 8, no. 3, p. 289-295, Sep. 2000

**Rolled Topographic Maps (not boxed) [see also Folder 25]**

7.5 minute laminated US topographic maps of the area, taped together to form a map 4 1/2 by 1 1/2 ft., with areas affected by forest fire from 1932-1968 outlined on map

**Slides Boxes**

**Box 1 - Smelters, Flora, Soil, Smoke Plumes, I.R., Pollution Damaged Foliage, Forests, Aerial, Methods, Miscellaneous** (approximately 225 slides)

**Box 2 - Experimental: Field & Greenhouse; Microbes** (approximately 225 slides)

**Box 3 - Maps, Graphs of Data, Old Photos, Seminar Slides; Best Slides; Scans** (approximately 225 slides and 16 negatives)

**Box 4 - Seminar Slides** (48 slides)

**Publications Used In Research (not boxed)**

*Air Pollution*, edited by Arthur C. Stern. Vol.1 Air Pollution and its Effects, 2nd ed. New York, Academic Press, 1968.

Front flyleaf stamps: S. H. Buchauer / Marilyn Buchauer

Top text block stamp: Marilyn Buchauer

*Air Pollution Injury to Vegetation*, by Ibrahim Joseph Hindawi. Raleigh, NC, US Dept. of Health, Education and Welfare Public Health Service, Consumer Protection and Environmental Health Service, National Air Pollution Control Administration, 1970.

*Biology of Microorganisms*, by Thomas D. Brock. 3rd ed. Englewood Cliffs, NJ, Prentice-Hall, c1979.

Front flyleaf inscription: 29 95

*Cadmium in the Environment*, by Lars Friberg, Magnus Piscator, and Gunner Nordberg. Cleveland, OH, CRC Press, c1971.

title page stamp: Hubert Lechevalier / Rutgers University / New Brunswick, N. J. [crossed off]

title page inscription: Marilyn Buchauer [surname crossed off and "Jordan" written]

*Ecological Aspects of the Mineral Nutrition of Plants: A Symposium of the British Ecological Society, Sheffield 1-5 April 1968*, edited by I. H. Rorison. Oxford, Blackwell Scientific Publications, c1969.

Front flyleaf inscriptions: Buchauer / Refs to check p. 199, 409

*Ecology and Resource Management: A Quantitative Approach*, by Kenneth E. F. Watt. New York, McGraw-Hill, c1968.  
Front flyleaf and top of text block stamp: Marilyn Buchauer

*Ecology and the Industrial Society: A Symposium of the British Ecological Society, Swansea 13-16 April 1964*, edited by Gordon T. Goodman. New York, John Wiley & Sons, c1965.  
Front fly leaf stamps: Stephen H. Buchauer, Marilyn Buchauer  
Top text block stamp: Marilyn Buchauer  
Sticky tab at page 328-329.

*Geologic Map of Pennsylvania*, by Pennsylvania Topographic and Geologic Survey. 1960. [folded maps in envelope]

*Illustrated Genera of Imperfect Fungi*, by H. L. Barnett and Barry B. Hunter. 3rd ed. Minneapolis, MN, Burgess Publishing Company, c1972.  
Front cover inscription: Marilyn Buchauer  
Title page inscription: Buchauer

*Lehigh River Biological Investigation*, by David P. Pollison and William M. Craighead. Delaware River Basin Commission, Pennsylvania Dept. of Health, and Pennsylvania Fish Commission, 1968.  
front cover, title page, and top of text block stamp: Marilyn Buchauer

*Methods of Analysis for Soils, Plants, and Waters*, by Homer D. Chapman and Parker F. Pratt. University of California Division of Agricultural Sciences, 1961.  
Front cover and front flyleaf stamp: Marilyn Buchauer

*Methods of Soil Analysis*. Part 2 Chemical and Microbiological Properties, A. L. Page, ed. 2nd ed. Madison, WI, American Society of Agronomy, Soil Science Society of America, 1982.  
Front flyleaf inscription: Jordan  
6 sections marked with page tabs

*The Microbes*, by Hubert A. Lechevalier and David Pramer. Philadelphia, Lippincott, c1971.

*Microbial Ecology*, by Martin Alexander. New York, John Wiley & Sons, c1971.  
Front flyleaf and top text block stamp: Marilyn Buchauer [surname crossed out and "Jordan" written in]

*Microbial - Plant Interactions: Proceedings of a Symposium sponsored by Division S-3 of the Soil Science Society of America, American Society of Agronomy, and the Crop Science Society of America in Fort Collins, Colo. 5-10 Aug. 1979*. Madison, WI, Soil Science Society of America, American Society of Agronomy, and the Crop Science Society of America, 1984.  
front cover and front flyleaf inscription: Jordan

*Plant Communities: A Textbook of Plant Synecology*, by Rexford Daubenmire. New York, Harper & Row, c1968.  
Front fly leaf and top of text block stamp: Marilyn Buchauer

*Preliminary Air Pollution Survey of Cadmium and its Compounds: A Literature Review*, by Yanis C. Athanassiadis. Raleigh, NC, US Dept. of Health, Education and Welfare Public Health Service, Consumer Protection and Environmental Health Service, National Air Pollution Control Administration, 1969.  
front cover inscription: Buchauer

*Preliminary Air Pollution Survey of Zinc and its Compounds: A Literature Review*, by Yanis C. Athanassiadis. Raleigh, NC, US Dept. of Health, Education and Welfare Public Health Service, Consumer Protection and Environmental Health Service, National Air Pollution Control Administration, 1969.  
front cover inscription: Buchauer

*Soil Chemical Analysis*, by M. L. Jackson. Englewood Cliffs, NJ, Prentice-Hall, 1958.

Front fly leaf, title page, and top text block stamp: Marilyn Buchauer  
*The Soil - Plant System in Relation to Inorganic Nutrition*, by Maurice Fried and Hans Broeshart. New York, Academic Press, 1967.  
Front flyleaf inscription: Buchauer  
*Soil Survey Laboratory Methods and Procedures for Collecting Soil Samples*, by US Dept. of Agriculture Soil Conservation Service. Washington, DC, Government Printing Office, 1967.  
front cover stamp: Marilyn Buchauer  
*Soil Survey Manual*, by Soil Survey Staff, Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, US Dept. of Agriculture. Washington, DC, US Government Printing Office, 1951.  
Front flyleaf and top of text block stamp: Marilyn Buchauer  
Front flyleaf inscriptions: Marilyn Jordan / Rutgers University / horizon boundaries p. 187 / structure p. 228 / consistence p. 232  
Tabs/sticky notes: p. 139, 167, 175, 209  
*Soil Survey of Carbon County Pennsylvania*, by US Dept. of Agriculture Soil Conservation Service in cooperation with Pennsylvania State University College of Agriculture and Experiment Station and Pennsylvania Dept. of Agriculture Soil Conservation Commission. Washington, DC, Government Printing Office, 1962.  
front cover inscription: J C Z Zedrow [crossed out] / Buchauer  
back cover: [handwritten notes]  
*Trace Substances in Environmental Health - IV: Proceedings of University of Missouri's 4th Annual Conference on Trace Substances in Environmental Health*, edited by Delbert D. Hemphill. Columbia, MO, University of Missouri, c1971.  
Front cover inscriptions: Buchauer / p. 233 fungi / p. 132 soil Zn  
Sticky tab at page 186-187

**Sieve (not boxed)**

Metal, round, silver in color, 2 pieces, 8 3/8 inches by 4 1/4 inches high. U.S Standard Sieve Series no. 10, opening 2 mm., manufactured by Newark Wire Cloth Co., Newark, NJ.  
Used by Jordan during her research

**Framed Photograph (not boxed)**

Two photographs of Lehigh Gap, matted, in frame 21 inches high by 14 3/4 inches wide. Each photograph is 7 7/8 inches high by 8 5/8 inches wide. Photos, one taken before the defoliation of the mountain and one after, were shot from approximately the same location looking south toward Blue Mountain and Lehigh Gap

Prepared by:

Barbara L. Wiemann

December 3, 2014

Updated November 28, 2016

**Collection 6**  
**Bob MacClay 183 Hawk Watch Records**  
**2 Boxes**

Note: The collection in folders 2-16 was organized and labeled by MacClay; his organization and labeling has been retained. The material in folders 17-19 was transferred from 3 oversize notebooks to folders; MacClay's labeling has been retained.

**Box 1 - folders 1-5**

**Folder 1 - Biography, Correspondence, and Donation Note**

Note written by MacClay relating meeting Donald Heintzelman for the first time in Sept. 1965.

Rt. 183 observations for Sep. 9 and 13, 1975 (1 note).

Letter from MacClay to Dan Kunkle, Dec. 11, 2001, containing reminiscences (12 pages)

Note from MacClays, Dec. 21, 2001, to Dan Kunkle with photocopies of obituaries of Fred Mears, John LaVia, and Edward Manners

Letter from MacClays to Dan and Cheryl Kunkle, May 27, 2004, about Appalachian Trail history.

Biographical tribute to MacClay written by niece Eydie and read by her at MacClay's committal service at Indiantown Gap, July 31, 2006; donation note from Anne MacClay; envelope used to mail these two items

**Folder 2 - 1992**

Charts for 57 days of observation; summary charts for year

**Folder 3 - 1993**

Charts for 67 days of observation; summary charts for year; photocopies of reports by Dean Kendall (6 pages)

**Folder 4 - 1994**

Charts for 77 days of observation; summary charts for year

**Folder 5 - 1995**

Charts for 66 days of observation; summary charts for year

**Box 2 - folders 5-19**

**Folder 6 - 1996**

Charts for 71 days of observation; summary charts for year; note about special observations

**Folder 7 - 1997**

Charts for 75 days of observation; summary charts for year; note summarizing year

**Folder 8 - 1998**

Charts for 83 days of observation; summary charts for year

**Folder 9 - 1999**

Charts for 85 days of observation; summary charts for year; letter dated Jan. 10, 2000, to Stan & Cheryl thanking them for their reports

**Folder 10 - 2000**

Charts for 48 days of observation; summary charts for year; 14 daily migration data sheets not included in summary

**Folder 11 - 2001**

Charts for 71 days of observation; summary charts for year

**Folder 12 - 2002**

Charts for 53 days of observation; summary charts for year; 2 short notes on small pieces of paper

**Folder 13 - 2003**

Charts for 44 days of observation; summary charts for year; wind direction charts; 2 daily migration data sheets not included in summary

**Folder 14 - 2004**

Charts for 26 days of observations; summary charts for year (do not include 3 days of observations); wind directions charts

**Folder 15 - 2006**

7 daily migration data sheets

**Folder 16 - 2007**

22 daily migration data sheets

**Folder 17 - 2008**

31 daily migration data sheets

**Folder 18 - High Counts**

Charts (23 oversize manila sheets) summarizing, by species, the high count totals by hour and day, 1981-2003

**Folder 19 - Year Hi Lite Hi Count**

Charts (52 oversize manila sheets) summarizing, by year, the high count totals by hour and day, 1978-2004 (2 sheets per year except 1978-1981 and 1999)

**Folder 20 - Names, Totals, Other Lookouts**

Charts (11 oversize manila sheets) containing names of hawk watch participants with years of participation, observing hours, birds observed, and number sighted per hour by species; 1 sheet contains names of Bake Oven Knob hawk watch participants (no dates)

Prepared by:

Barbara L. Wiemann

November 21, 2014

Updated October 23, 2017

**Collection 7**  
**Roy Christman**  
**35mm Slides - New Jersey Zinc and Other Local Scenes**  
**1 Box**

Note: This collection of 127 slides was received in 7 slide sheets. The slides were transferred to archival sheets, and arranged by location and subject. Sheets 1-5 contain slides of Palmerton, New Jersey Zinc Company, and Blue Mountain, taken between 1975 and 1979 and arranged chronologically to show the environmental conditions and restoration efforts during these years. These slides are labeled, often in detail. Sheet 6 contains unlabeled aerial views. Sheet 7 contains labeled slides, mostly of Carbon County.

**Sheet 1**

Views of New Jersey Zinc Co. , Palmerton, Lehigh Gap, Oct. 1975-Nov. 1976 - row 1-4 (16 slides)  
Re-vegetation of barren hillside off of 6th St, May 1976 - row 5 (4 slides)

**Sheet 2**

Re-vegetation of barren hillside off of 6th St, May, Aug 1976 - row 1 & 2 (8 slides)  
Plants on waste dump east of East Plant, May, Aug. 1976 - row 3 & row 4, no. 1 (5 slides)  
Arnot Bristly locust seedling planting on Blue Mt at East Plant, April 1977 - row 4, no. 2-4; row 5, no. 1 (4 slides)  
East Plant spoil bank seeding, 1st year after establishment, May 1977 - row 5, no. 2-4 (3 slides)

**Sheet 3**

East Plant plantings of willow cuttings, fescue, deer tongue, 1st year after establishment, May 1977 - rows 1 & 2 (8 slides)  
Views of West Plant and Blue Mt., June 1977 - row 3 (4 slides)  
Re-vegetation work at East Plant, June 1977 - rows 4 & 5 (8 slides)

**Sheet 4**

Re-vegetation work on Blue Mt. above East Plant, June 1977 - rows 1-3 (12 slides)  
New Jersey Zinc Co. erosion, Aug. 1977 - row 4, no. 1-2 (2 slides)  
East Plant re-vegetation, including a tomato, Oct. 1977 - row 4, no. 3-4; row 5, no. 1-3 (5 slides)  
Row 5, no. 4 is empty

**Sheet 5**

Indian hemp and giant reed growth, April 1978 - row 1 (4 slides)  
Aerial seeding operations, May 1978 - rows 2 & 3 (8 slides)  
Mulched evaluation plots, May 1978 - row 4, no. 1 & 2 (2 slides)  
Views of Blue Mt., May 1978 - row 4, no. 3 & 4 (2 slides)  
Arenaria patula growth, May 1978 - row 5, no. 1 & 2 (2 slides)  
Giant reed growth, Jan. 1979 - row 5, no. 3  
Row 5, no. 4 is empty

**Sheet 6**

Aerial views that include a lake [perhaps Beltzville?], Oct. 1971 - rows 1 & 2, no. 1-3 (7 slides)  
Aerial views of strip mining, Oct. 1972 - row 3, no. 1 & 2 (2 slides)  
Row 2, no. 4; row 3, no. 3 & 4; rows 4 and 5 are empty

## Sheet 7

Beltville Project hedgerow planting by Game Commission #414, June 1977 - rows 1 & 2 ( 8 slides)

Mahoning Creek stream restoration, 1974 - row 3, no. 1

Culvert installation on Wm. Boyer farm, Fall 1955 - row 3, no. 2

Apple blossoms on William Gregory farm, May 1977 - row 3, no. 3-4 (2 slides)

View of Jim Thorpe from Flagstaff, Aug. 1976 - row 4, no. 1 & 2 (2 slides)

Lehigh old dam, Oct. 1972 - row 4, no. 3 & 4 (2 slides)

Eroded road bank at intersection of Rt. 209 and 93, Oct. 1975 - row 5, no. 1

Hydra mulching on Rt. 6, Stroudsburg, Warren Co.[!], June 1971 - row 5, no. 2

Carbon County general aerial view, Oct. 1975 - row 5, no. 3

Mahoning Township aerial view, Oct. 1972 - row 5, no. 4

Prepared by:

Barbara L. Wiemann

November 24, 2014

**Collection 8**  
**Bake Oven Knob Hawk Watch**  
**12 Boxes**

**Series 8.1 - Data Sheets, Summaries, Analysis by Year**

**Box 1**

**Folder 1 - 1961**

Notes for 9 days of observation by Donald Heintzelman, Aug. 27-Nov. 11

**Folder 2 - 1962**

Notes for 21 days of observation by Donald Heintzelman, Aug. 11-Nov. 23

**Folder 3- 1963**

Notes for 32 days of observation (30 by Donald Heintzelman), Aug. 3-Nov. 24

**Folder 4 - 1964**

Hawk Migration Data totals sheet for Bake Oven Knob for 39 observation days.  
Field Data Sheets, Aug. 8-Nov. 22, principally by Donald S. Heintzelman.  
Handwritten page with observation totals for year.

**Folder 5 - 1965**

Hawk Migration Data totals sheet for Bake Oven Knob for 54 observation days.  
Field Data Sheets for Bake Oven Knob, July 31-Nov. 21.  
Handwritten tally sheet for PF (1 page).

**Folder 6 - 1966**

Hawk Migration Data totals sheet for Bake Oven Knob for 55 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 7-Nov. 26.  
Handwritten tally sheet for PF (1 page).

**Folder 7 - 1967**

Hawk Migration Data totals sheet for Bake Oven Knob for 58 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 6-Nov. 19.  
Handwritten tally sheet for PF (1 page).

**Folder 8 - 1968**

Field Data Sheets for 26 days at Bake Oven Knob, Aug. 11-Nov. 30.  
Handwritten tally sheet for PF (1 page).

**Folder 9 - 1969**

Field Data Sheets for 72 days at Bake Oven Knob, Aug. 10-Nov. 26.  
Note by Bob and Ann MacClay about possible pine grosbeak sighting on Aug. 20.  
Handwritten tally sheet for PF (1 page) and PF sheet (1 page).

**Folder 10 - 1970**

Hawk Migration Data totals sheet for Bake Oven Knob for 98 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 9-Dec. 6.  
Handwritten tally sheet for RL (1 page).

**Folder 11 - 1971**

Hawk Migration Data totals sheet for Bake Oven Knob for 100 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 1-Dec. 5.  
Field Data Sheet for Oct. 29 that was not included in totals sheet.  
Handwritten tally sheet for PF (1 page).  
Schedule of Bake Oven Knob volunteer observers.

**Folder 12 - 1972**

Hawk Migration Data totals sheet for Bake Oven Knob for 102 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 4-Dec. 1.  
Handwritten tally sheet for PF (1 page).  
List of Bake Oven Knob volunteer observers.

**Box 2**

**Folder 13 - 1973**

Hawk Migration Data totals sheet for Bake Oven Knob for 89 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 4-Dec. 7.  
Handwritten tally sheet for PF (1 page).

**Folder 14 - 1974**

Hawk Migration Data totals sheet for Bake Oven Knob for 87 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 10-Nov. 29.  
Monthly calendar sheets with daily volunteers and note about "no observation" days.

**Folder 15 - 1975**

Hawk Migration Data totals sheet for Bake Oven Knob for 81 observation days and 5 monthly totals sheets.  
Field Data Sheets for Bake Oven Knob, Aug. 23-Dec. 7.  
Handwritten tally sheet for PF (1 page).  
List of rain dates (no observations).  
Report from Fred Mears to Donald S. Heintzelman, Feb. 1, 1976.

**Folder 16 - 1976**

Hawk Migration Data totals sheet for Bake Oven Knob for 91 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 16-Dec. 13.  
Canada Goose flock size report (2 pages).

**Folder 17 - 1977**

Hawk Migration Data totals sheet for Bake Oven Knob for 59 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 20-Dec. 2.  
Handwritten tally sheet for PF (1 page).  
Canada Goose flock size report (1 page).

**Folder 18 - 1978**

Hawk Migration Data totals sheet for Bake Oven Knob for 68 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 21-Nov. 25.  
Handwritten tally sheet for PF (1 page).  
Canada Goose flock size report (2 pages).

**Folder 19 - 1979**

Hawk Migration Data totals sheet for Bake Oven Knob for 34 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 8-Nov. 18

**Folder 20 - 1980**

Hawk Migration Data totals sheet for Bake Oven Knob for 33 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 16-Nov. 3.

**Folder 21 - 1981**

Hawk Migration Data totals sheet for Bake Oven Knob for 50 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 25-Nov. 25.  
Handwritten tally sheet for PF (1 page).

**Folder 22 - 1982**

Hawk Migration Data totals sheet for Bake Oven Knob for 93 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 28..

Handwritten tally sheet for PF (1 page).  
Tally sheets by species for each month (14 pages).

### **Box 3**

#### **Folder 23 - 1983**

Hawk Migration Data totals sheet for Bake Oven Knob for 73 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 15-Nov. 29. Starting with 1983, the daily observing form is 2 pages.  
Handwritten tally sheet for PF (1 page).

#### **Folder 24 - 1984**

Hawk Migration Data totals sheet for Bake Oven Knob for 78 observation days.  
Field Data Sheets for Bake Oven Knob, Aug. 18-Nov. 21 (2 sheets per day).  
Handwritten tally sheet for PF (1 page).

#### **Folder 25 - 1985**

Hawk Migration Data totals sheet for Bake Oven Knob for 76 observation days and tally sheets by species for each month (7 pages) .  
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 24 (2 sheets per day).  
Handwritten tally sheet for PF (1 page).

#### **Folder 26- 1986**

Hawk Migration Data totals sheet for Bake Oven Knob for 71 observation days and tally sheets by species for each month (4 pages).  
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 28 (2 sheets per day).  
Tally of number of adult and immature birds by species (8 sheets).

#### **Folder 27 - 1987**

Hawk Migration Data totals sheet for Bake Oven Knob for 76 observation days and tally sheets by species for each month (4 pages).  
Field Data Sheets for Bake Oven Knob, Aug. 12-Nov. 27 (2 sheets per day).  
Tally of number of adult and immature birds by species (10 sheets).

#### **Folder 28 -1988**

Hawk Migration Data totals sheet for Bake Oven Knob for 78 observation days and tally sheets by species for each month (5 pages).  
Field Data Sheets for Bake Oven Knob, Aug. 5-Dec. 4 (2 sheets per day).  
Tally of number of adult and immature birds by species (10 sheets).

### **Box 4**

#### **Folder 29 - 1989**

Hawk Migration Data totals sheet for Bake Oven Knob for 79 observation days and tally sheets by species for each month (4 pages).  
Field Data Sheets for Bake Oven Knob, Aug. 8-Nov. 29 (2 sheets per day).  
Tally of number of adult and immature birds by species (6 sheets).

#### **Folder 30 - 1990**

Hawk Migration Data totals sheet for Bake Oven Knob for 63 observation days and tally sheets by species for each month (4 pages).  
Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 18 (2 sheets per day).  
Tally of number of adult and immature birds by species (2 sheets).  
Daily mean visibility list (1 sheet).  
Calendar pages listing daily observers (4 pages).

#### **Folder 31 - 1991**

Hawk Migration Data totals sheet for Bake Oven Knob for 32 observation days and tally sheets by species for each month (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 16-Nov. 28 (2 sheets per day).

Tally of number of adult and immature birds by species (3 sheets).

Daily visibility (1 sheet).

**Folder 32 - 1992**

Tally sheets by species for each month for 84 observation days (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 30 (2 sheets per day).

2 notes with observation data for Oct. 25 and 31 sent to Donald Heintzelman

Note from Wesley Beltz to Bob MacClay with his 1992 BOK bird count totals.

Tally of number of adult and immature birds by species (2 sheets).

Calendar pages listing daily observers (4 pages).

**Folder 33 - 1993**

Tally sheets by species for each month for 78 observation days (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 29 (2 sheets per day).

2 sheets with observation data for Sep. 11 and 18 sent to Donald Heintzelman.

Tally of number of adult and immature birds by species (3 sheets).

Calendar pages listing daily observers (4 pages).

**Folder 34 - 1994**

Hawk Migration Data totals sheet for Bake Oven Knob for 66 observation days and tally sheets by species for each month (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 25 (2 sheets per day).

Tally of number of adult and immature birds by species (1 sheet).

Calendar pages listing daily observers (4 pages).

2 memos by Donald Heintzelman to BOK observers, list of observers, note from observer.

**Folder 35- 1995**

Tally sheets by species for each month for 62 observation days (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 21 (2 sheets per day).

Tally of number of adult and immature birds by species (1 sheet).

Correspondence from observers (8 pages).

Calendar pages listing daily observers (4 pages).

Tiger Swallowtail sighting on Sep. 12 (1 page).

**Box 5**

**Folder 36 - 1996**

Hawk Migration Data totals sheet for Bake Oven Knob for 86 observation days, 1 printed summary sheet, and tally sheets by species for each month (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 20 (2 sheets per day).

Tally of number of adult and immature birds by species (5 sheets).

Calendar sheets listing daily observers (4 pages).

Notes and observations sent to Heintzelman (9 pages).

**Folder 37 - 1997**

Hawk Migration Data totals sheet for Bake Oven Knob for 76 observation days, and tally sheets by species for each month (4 pages).

Field Data Sheets for Bake Oven Knob, Aug. 1-Nov. 29 (2 sheets per day).

Tally of number of adult and immature birds by species (6 sheets).

Calendar sheets listing daily observers (4 pages).

Notes and observations sent to Heintzelman (24 pages).

**Folder 38 - 1998**

Hawk Migration Data totals sheet for Bake Oven Knob for 91 observation days, 3 page press release about the 1998 season, and tally sheets by species for each month (10 pages).

Field Data Sheets for Bake Oven Knob, Aug. 15-Nov. 29 (2 sheets per day).

Tally of number of adult and immature birds by species (4 sheets).

Note from Wesley Beltz to Bob MacClay with his BOK and 183 counts for 1998.

**Folder 39 - 1999**

Field Data Sheets for Bake Oven Knob, Aug. 9-Nov. 28 (2 sheets per day).

Tally of number of adult and immature birds by species (7 sheets).

**Folder 40 - 2000**

Hawk Migration Data totals sheets (3) for Bake Oven Knob for 108 observation days, and tally sheets by species for each month (4 pages).

Field Data Sheets for Bake Oven Knob for Aug. 4-Nov. 25 (2 sheets per day).

Tally of number of adult and immature birds by species (4 sheets).

December observation sheets from Ronald Kline (3 pages).

**Box 6**

**Folder 41 - 2001**

Tally sheets by species for each month (7 pages).

Field Data Sheets for Bake Oven Knob for Aug. 14-Jan. 2, 2002 (2 sheets per day).

Tally of number of adult and immature birds by species (6 sheets).

**Folder 42 - 2002**

Field Data Sheets for Bake Oven Knob for Aug. 15-Dec. 1 (2 sheets per day).

Tally of number of adult and immature birds by species (3 sheets).

**Folder 43 - 2003**

Field Data Sheets for Bake Oven Knob for Aug. 14-Nov. 30 (2 sheets per day).

**Folder 44 - 2004**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 28 (2 sheets per day).

**Folder 45 - 2005**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 27 (2 sheets per day).

Tally of number of adult and immature birds by species (2 sheets).

**Box 7**

**Folder 46 - 2006**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 26 (2 sheets per day).

Sheet of corrections (1 page).

Sheet of computer instructions for entering data (1 page).

**Folder 47 - 2007**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 25 (2 sheets per day).

**Folder 48 - 2008**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 29 (2 sheets per day).

**Folder 49 - 2009**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 29 (2 sheets per day).

**Folder 50 - 2010**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 28 (2 sheets per day).

**Box 8****Folder 51 - 2011**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 27 (2 sheets per day).

**Folder 52 - 2012**

Field Data Sheets for Bake Oven Knob for Aug. 15-Nov. 23 (2 sheets per day).

Two blank field data sheets and two undated field data sheets.

Two computer discs (4.5 inch) containing 2012 data.

**Folder 53 - 2013**

Hawk Count Data Sheets and Age/Sex Data Sheets for Aug. 15-Dec. 1 (2 sheets per day).

1 computer disc (4.5 inch) containing 2013 data.

**Folder 54 - 2014**

Hawk Count Data Sheets and Age/Sex Data Sheets for Aug. 15-Nov. 30, 2014 (2 sheets per day).

1 computer disc (4.5 inches) containing 2014 data.

**Box 9****Folder 55 - 2015**

Hawk Count Data Sheets and Age/Sex Data Sheets for Aug. 15-Nov. 29, 2015 (2 sheets per day).

Summary sheets by month, by age/sex..

1 computer disc (4.5 inches) containing 2015 data.

**Folder 56 - 2016**

3 computer disc (4.5 inches) containing 2016 data.

**Folder 57 - 2017**

1 memory stick containing 2017 data.

**Series 8.2 - Multi-year analysis and summaries****Box 1****Folder 1 - BOK Autumn Bird Record, 1957-1985 (pt. 1)**

Contains 1 or more chart pages for each species observed by Donald S. Heintzelman, listing the date and number of birds observed.

**Folder 2 - BOK Autumn Bird Record, 1957-1985 (pt. 2)**

Contains 1 or more chart pages for each species observed by Donald S. Heintzelman, listing The date and number of birds observed.

Note from Fritz to Heintzelman, Sep. 17, 1989 with two bird sightings , one 1984, one 1989

Note to Heintzelman with count of geese at BOK, 1984-1987

**Folder 3 - BOK Hawk Count Compiled Data, 1961-2004**

Computer disc (4.5 inch) with data for 1961-1980, created by Heintzelman in 2006.

Computer disc (4.5 inch) with data for 1981-1997, created by Heintzelman in 2006.

Computer disc (4.5 inch) with data for 2002-2004.

Sightings per hour charts, 1961-1997 (5 pages).

BOK records by species (earliest, latest, highest per hour, etc.), 2 sheets compiled in 2001.

BOK Hawkcount data, 1961-2015 (2 sheets)

**Folder 4 - BOK Spring/Summer Bird Record, 1965-1996**

Summary sheet for 1965-1984 and summary sheet by species for observations in April.

Chart pages for each species observed, listing the date and number of birds observed.  
Field data sheets, 1967-1996 for 37 days of observation, mostly by Heintzelman.  
Observations by John Leskosky in May 1982 (3 pages).

**Folder 5 - BOK Monarch Butterfly Counts, 1982-1997**

Counts by year of monarchs observed. [Note: Counts for succeeding years located in yearly folders].

**Folder 6 - BOK Non-Hawk Counts, 2000-2010**

One sheet per year, listing counts for hummingbirds, monarchs, loons, cormorants, G.B. herons, ravens, snow geese, and Canada geese.

One loon tally sheet.

**Folder 7 - BOK and Hawk Mountain hawk count comparison, 1995-2001**

Comparison charts for 1998-2001 and drafts of journal article

**Series 8.3 - BOK History, Publicity, Volunteers, Memorabilia, etc.**

**Box 1**

**Folder 1 - Bake Oven Knob Historical Information**

Letter, B. C. Hiatt to Heintzelman, Nov. 25, 1968, about his visits to BOK, beginning in 1936 (3 pages, typewritten)

Letter from Patrick Tee to Heintzelman, Oct. 7, 1994, about shooting birds at BOK (2 pages, handwritten)

Observations on Bake Oven Knob, September 18, 1949, by Clayton Hoff (3 pages, photocopy of typed report) with 2 typewritten letters from Heintzelman, Dec. 1968-Jan 1969

2 slides showing dead birds (b&w), possibly from Dr. Choate (see above Jan 1969 letter)

A Brief History of the Bake Oven Knob Hawk Watch, by Donald S. Heintzelman, 2010 (10 pages, computer printed) with email from Dan Kunkle

**Folder 2 - Bake Oven Knob Newsletter**

Issues 1-5 (Jan. 5, 1973-March 1992), edited by Heintzelman, containing news related to raptor and other bird research and conservation/education at BOK

National Serial Data Program ISSN registration for newsletter, 1984

**Folder 3 - Publicity**

Bibliography of published literature about BOK Hawk Watch (chiefly yearly reports), 1963-1998)

Photocopies of 11 articles from bibliography, 1963-1982

Bake Oven Knob: A Special Wildlands Place, 1993-1996 (4 page leaflet with history, silhouettes of raptors, WIC information)

Circular illustration with wording Bake Oven Knob, PA Hawk Watch around edge and and silhouette of raptor in center (undated, used to make stamp in Box 2)

3 BOK Leaflets (ca 1999-2001, undated, and 2002)

Artwork showing the BOK typography and photos showing views from BOK, used in creating the leaflets [oversize in separate folder next to Box1]

Photograph taken from BOK, used to illustrate a BOK brochure

**Folder 4 - Volunteers, Correspondence, etc.**

Field Techniques for Hawk Watch Cooperators (1 page, typewritten)

Letter, Bill Rosch to Heintzelman, (undated, on Raub Middle School letterhead), thanking DSH for Saturday Hawk I.D. classes

Wildlife Action Alert form, Aug. 1996, by Heintzelman, about low flying airplane at knob

List of Bake Oven Knob Hawk Counters (undated, late 1990s-early 2000s)  
Photo of attendees at Hawk Watchers Dinner, Caruso's Restaurant, 2000

**Box 2 - BOK Memorabilia , AV**

2 Bake Oven Knob T-shirts, one with blue printing and one with red printing  
BOK stamp and mold for stamp (see Box 1, Folder 3 for artwork)  
Bake Oven Knob patch (blue and green background with black and white striped raptor)  
Parking Lot Gang pin (used by volunteers who could no longer hike to the knob)  
Pill container with two shotgun shells found at BOK and note by Heintzelman (Dec. 2003)  
Pill container with 1 shotgun shell (no identification)  
1 VHS tape labeled Bake Oven Knob, PA - 1987, raw, unedited  
1 VHS tape labeled Freedom High School BOK Field Trip  
5 photographs of observers at Bake Oven Knob (3 sheets), Fall 1995

Prepared by:  
Barbara L. Wiemann  
June 30, 2018

**Collection 9**  
**Paul Handwerk**  
**1 Box**

**Folder 1 - Notes on Fresh-Water Mussels** (Research Materials Used by Handwerk)

- Notes from: The Naiad Fauna of the St. Joseph River Drainage in Southwestern Michigan, by Henry van der Schalie. *Amer. Mid. Nat.*, v. 17, no. 2, 1936, p. 523-537.
- Notes from: The Size of Certain Naiades from Western Lake Erie in Relation to Shoal Exposure, by C. J. D. Brown, Clarence Clark and Bruce Gleissner. *Amer. Mid. Nat.*, v. 19, no. 3, May, 1938, p. 682-701.
- Notes from: Distribution of Aquatic Mollusks in Minnesota, by Charlotte Dawley. *Amer. Mid. Nat.*, v. 38 no. 3 Nov. 1947, p. 671-697.
- Taxonomic Keys to the Mollusca (Fresh-water Clams) of Minnesota, by Samuel Eddy and A. Hodson. Minneapolis, MN, Burges Publishing Co., 1950?
- Notes from: The Fresh Water Mollusca of Wisconsin part II Pelecypoda, by Frank Collins Baker. *Wisconsin Geology & Nat. History Survey Bulletin* 70, 1928.
- Notes from: A Revision of the Mollusca of Indiana by Calvin Goodrich and Henry van der Schalie. *Amer. Mid. Nat.*, v. 32, no. 2, Sep. 1944, p. 257-326.
- Outline of: Notes on the Natural Hosts of Fresh-Water Mussel, by Thaddeus Surber. *Bur. Fish Bull.* XXXII, 1912, p. 101-116.
- Notes from: Some Cases of Narrowly Restricted Parasitism Among Commercial Species of Fresh Water Mussels [by] A. D. Howard. *Trans. Amer. Fish Soc.*, v. XLIV, no. 1, 1914, p. 41-44.
- Notes from: An Artificial Infection with Glochidia on the River Herring. *Trans. Amer. Fish. Soc.*, v. XLVI, no. 2, 1917, p. 93-100.
- Report to Dr. Walter B. Jones, State Geologist, on the Status of Freshwater Mussels in Wheeler Lake as Based on Present-Day Mussel Fisheries, by Allen Archer. Nov. 19, 1948.
- Work on Fisheries Biological Station at Fairport, Iowa by Thomas K. Chamberlain (Report of US Comm. of Fish. for 1927, Append. VIII, p. 517-681)
- Fresh-Water Mussel Investigations Mussel Culture (Report of US Comm. of Fish. for 1929, p. 627-739)
- Artificial Culture of Glochidia of Fresh-Water Mussels, by M. M. Ellis. (Report of the US Comm. of Fish. for 1929, Append. X)
- Fresh-Water Mussel Investigations (Report of US Comm. of Fish. for 1930, Append. XV)
- Fresh-Water Mussel Investigations (Report of US Comm. of Fish. for 1934)
- Propagation of Fresh-water Mussels by Controlled Infection, by M. M. Ellis, B. A. Westfall and M. D. Ellis.
- Proposed Program of Fresh-Water Mussel culture for the Season of 1941. US Dept. of Interior, Fish and Wildlife Service, Dec. 2, 1940.
- Notes from: Synopsis of the Naiades, or Pearly Fresh-water Mussels, by Charles T. Simpson. *Proc. US Nat. Museum*, 22, 1900, p. 501-1044.
- Notes from: The Classification and Geographical Distribution of the Pearly Fresh-Water Mussels, by Charles T. Simpson. *Proc. US Nat. Museum*, 18, 1896b, p. 295-343.
- Notes from: A Synopsis of the Classification of the Fresh-Water Mollusca of North America, North of Mexico, and a Catalogue of the More Recently Described Species, with Notes, by Bryant Walker, Museum of Zool., U. of Michigan, Miscellaneous Publications no. 6, Dec. 30, 1918.

Notes from: On the Nomenclature of Certain North American Naiades, by A. E. Ortman and Bryant Walker. Museum of Zool., U. of Michigan, Occasional Papers No. 112 July 1, 1922, p. 1-75.

Food + Feeding in Fresh-Water Mussels, by E. P. Churchill Jr and Sara I. Lewis. US Bur. Fish. Bull., v. 39, 1923-24.

The Absorption of Nutriment from Solution by Fresh-water Mussels, by E. P. Churchill Jr. Jour. Exp. Zool., v. 21, 1916.

Studies of the Biology of Fresh-water Mussels - A Study of the Food Relations of Certain Unionadae by Wm. Ray Allen. Bull Marine Biol. Lab., v. 40, Jan-June, 1921.

**Folder 2 - Paper by Paul S. Handwerk, Fishery Management Biologist, US. Fish and Wildlife Service**

A Review of the Fresh-Water Mussel Project. Feb. 12, 1953. 26 typewritten pages.

**Folder 3 - Handwerk's Paper (see folder 2) with memorandum** from various levels of the Fish and Wildlife Service (1953-1956), comments, and supplemental reports

**Folder 4 - Paper by Paul S. Handwerk, Fishery Management Biologist US. Fish and Wildlife Service**

A Brief Life History of the Mussel: A Review of the Literature. March 6, 1953. 72 typewritten pages.

**Folder 5 - Photographs and Drawings**

Xerox copies of photographs of field work in Arkansas, Indiana, Illinois, Alabama, and Tennessee, 1948-1951 (6 p.)

Drawings of fish and mussels, using marker and pen (5 drawings)

Photographs of Micropterus (8) and Huro (1), 1946

**Folder 6 - Material, 1960-2004**

Status of Fresh-Water Mussel Stocks in the Tennessee River, by George D. Scruggs Jr. Washington DC, US Fish and Wildlife Service, Special Scientific Report-Fisheries No. 370, 1960. 39 p.

Note cards for 1993 lecture on mussels (4 cards)

Newspaper clipping from Star Tribune, Nov. 28, 1997, Metro/State section, about illegal mussel trafficking in Minnesota and North Dakota

Correspondence, from Seymour B. Johnson, Indianola, MS, to Paul Handwerk, seeking advice and suggestions on mussel research, and Handwerk's replies, February-March 1998

Newspaper clipping from Morning Call, April 4, 2004, p. B1-2, about a bridge project stalled by a mussel

Prepared by:

Barbara L. Wiemann

December 5, 2016

**Collection 10**  
**Rexford D. Lord Jr.**  
**2 Boxes**

Collection arrived in labeled folders and that organization and labeling was retained when the material was transferred to archival folders.

**Box 1**

**Folder 1 - Lagamorph Lens Ms., 1962-1968**

- Letter, Lord to Ronald Labisky, Urbana, IL, with first draft of rabbit lens paper that Labisky should polish for publication, Aug. 20, 1962, 1 p. typewritten [paper not in file]
- Letter, Labisky to Lord, with assembled lagomorph data, June 2, 1964, 2 p. typewritten with 19 pages of graphs
- Letter, Lord to Vincent Schultz, Washington, DC, "Parallelism of Lagamorph Lens Curves" paper , May 25, 1965, 1 p. typewritten and 7 p. paper
- Letter, Schultz to Lord, returning material to Lord, Sep. 25 1968, 1 p. typewritten, with 38 pages of data, charts, reviews, and correspondence

**Folder 2 - Mosquitoes of Venezuela**

- Key to the mosquitoes of Venezuela (1 p.) and photocopies of drawings of mosquitoes from unknown source (19 p., in Spanish)

**Folder 3 - VEE Colombia, 1967 Progress Report [1967-1971]**

- A Preliminary Progress Report Outlining the Principal Features of Venezuelan Equine Encephalitis Virus Outbreaks in the Departamento del Valle, Colombia (Information up to 5 October 1967), 12 p.
- Guadro 2. El Carmelo, 1967, Epizoodemia de VEE Pruebas HI en Animales Domesticos, 3 p.
- Lista de Participantes Primer Seminario Nacional de Encefalitis Equina Venezolana, 3 p.
- Primer Semanario Nacional de Encefalitis - Equina Venezolana - Bogota, Colombia, 1971, 11 p.

**Folder 4 - VEE in Ecuador [1969-1972]**

- Epidemic of VEE in Ecuador, by T. P. Monath (rough draft), 23 p.
- International Trip Report: Encephalitis Investigations Ecuador, May 8 through June 3, 1969, by Thomas P. Monath, 26 p. [based on rough draft]
- Letter, March 31, 1970, Ernesto Gutierrez, Guayaquil, Ecuador, to Rexford Lord, Atlanta GA, about Monath report, 1 p., in Spanish
- Informe a los Senores Director Nacional de Salud y Supervisor Edecutivo de la Direccion Nacional de Salud Sobre la Investigacion de Encefalomyelitis Equina, 1972, 3 p.

**Folder 5 - VEE in Guatemala [1969-1970]**

- Telegrams, July 7-16, 1969, about Equine Encephalitis outbreak
- Memorandum, Aug. 5, 1969, A.I.D. Mission to El Salvador, about Venezuelan Equine Encephalitis in Central America, 9 p., typewritten

Organizational chart of Ministry of Agriculture  
Equine Investigations, Guatemala, 1969, 3 blank data sheets  
Field data from Guatemala, 1969, 10 p., maps, graphs, charts  
Vertebrates tested in Guatemala, Aug. 5-16, 1969, by R. D. Lord, 1 p. chart  
VEE Vaccine results - Nicaragua, 1969-1970, 20 p., charts, graphs  
Agenda for Working Conference on VEE, National Communicable Disease Center, May 28, 1970

#### **Folder 6 - VEE in Venezuela [1967-1983]**

Memorandum, July 18, 1967, Rexford Lord to Chief of the Arbovirus Unit, about role of bats as host of Venezuelan encephalitis, 3 p., handwritten and 3 p. typewritten with budget for study  
Expense account for trip to Caracas and Maracaibo, 1 p. handwritten  
2 index cards with bibliographic citations  
Vertebrate Isolations of VEE, 3 p. handwritten notes on previous research)  
Ante-Proyecto del Programa Nacional de Investigaciones Sobre Encefalomielitid Ewquina y Otras Arbovirosis, 10 p., typewritten  
Map of Venezuela, showing states  
Public Health Impact of Arthropod- and Rodent-borne Viral Diseases in the Americas. Epidemiological Bulletin, Pan American Health Organization, v. 4, no. 3, 1983, p. 1-4.

#### **Folder 7 - Lens Curve - Opossum, 1970**

Letter, Feb. 5, 1970, Glen Sanderson to Lord, opossum lens data requested by Lord, 3 p.  
Opossum lens weights, list compiled by Lord, Feb. 12, 1970  
Opossum lens curve, weight and age, by Lord, 2 charts  
Note, July 6, 1970, E. C. Hall to Lord, about lens chart, 1 handwritten page

#### **Folder 8 - Litter Size and Latitude in the Opossum and Raccoon, 1970**

Draft of paper by R. D. Lord and Elmer C. Hall, 4 p. typewritten  
Copy of paper with NCDC Division/Program approval form, July 24, 1970  
Copy of paper with submission letter to Journal of Mammalogy, Aug. 5, 1970  
Copy of paper with letter from Journal of Mammalogy with reviewers notes, Nov. 13, 1970

#### **Folder 9 - Pan America Employment, August 1970**

Job description posting sheet, 1967  
Letter, Lord to Boris Szyfres, Buenos Aires, Argentina, announcing his marriage, recent activities, and desire to work in Argentina, July 22, 1969, 1 p. typewritten  
Letter, Lord to Pedro Acha, Washington, DC, work on venezuelan encephalities and desire to return to work for Pan American Zoonoses Center in Argentina, July 28, 1969, 1 p. typewritten  
Letter, Szyfres to Lord, congratulations on marriage, July 30, 1969, 1 p. typewritten  
Letter, Acha to Lord, employment situation with Pan American Health Organization, Aug. 1, 1969, 1 p. typewritten  
Letter, Lord to Szyfres, VEE work in Guatemala and employment prospects, with 5 p. biographical sketch, Sep. 10, 1969, 1 p. typewritten  
Letter, Acha to Lord, thank you for copy of publication, Apr. 7, 1970, 1 p. typewritten  
Note, Acha to Lord, personal history forms to complete for employment, May 1, 1970 [no forms]  
Letter, Szyfres to Lord, thanks for publications and employment status, May 11, 1970, 1 p. typewritten

Letter, Acha to George Baer, Lawrenceville, GA, about Charles Janson working in Argentina with Lord, June 2, 1970, 1 p. typewritten

Letter, Luis Alba to Lord, clearance form for working abroad, June 17, 1970, 1 p. typewritten [no form]

Letter, Lord to Szyfres, security of new position and family news, June 22, 1970, 2 p. typewritten

Letter, Donald Balsler, Denver, CO, to Lord, sending report on vampire bat research, June 24, 1970, 1 p. typewritten

Letter, Lord to Arthur Greenhall, Mexico, sending copy of publication and seeking information about vampire bat research in Mexico, June 25, 1970, 1 p. typewritten

Telegram, Alba to Lord, approved for Argentina employment, July 6, 1970

Letter, Peter Shantz, Buenos Aires, to Lord, congratulations on publication and looking forward to working together, July 7, 1970, 1 p. typewritten

Letter, Ernest Tierkel to Alba, letter of reference for Lord, July 8, 1970, 1 p. typewritten

Letter, Lord to Schantz, thank you reply, July 14, 1970, 1 p. typewritten

Pan American Health Organization Offer of Appointment forms with information about living in Argentina, July 15 1970

Note, Lord to Szyfres, concern about lower salary than agreed upon, undated, handwritten

Letter, Janson to Lord, news and preparations for work in Argentina, July 22, 1970, 1 handwritten sheet

Letter, Lord to Oscar, preparations for moving, July 23, 1970, 1 p. typewritten

Letter, Lord to Szyfres, employment and moving details, July 23, 1970, 1 p. typewritten

Letter, Lord to Charles [Janson], answering letter with suggestions, July 27, 1970, 1 p. typewritten

Letter, Lord to Alba, employment forms, travel plans and shipping goods, July 27 1970, 1 p. typewritten

Letter, Alba to Lord, travel advance, Aug. 14, 1970, 1 p. typewritten

Medical test results and receipt for purchase of chest

**Folder 10 - Bat Census [1970-1974]**

Un Indice Para Comparar Las Poblaciones de Murcielagos Sudamericanos, by Rexford Lord, Horacio Delpietro, and Luis Lazaro, 8 p. typewritten with 7 p. chart

Criteria for Standardization of the Relative Census for Bats, 1 p. typewritten (also copy in Spanish)

South American Bat Censuses for Surinam, Trinidad, Argentina, Bolivia, and Brazil, Dec. 19, 1974, with supporting data collection sheets

**Box 2**

**Folder 11 - Rio Grande do Sul, Brazil, 1974 [bat research]**

Data sheets and narrative reports of bat research, 1974, 19 p. handwritten

List of bats to be expected in Rio Grande do Sul, 1 p.

Names and contact information for veterinarians and others, 4 p.

Charts about rabies and deaths in 1968, with map of Rio Grande do Sul, 4 p. in Spanish

**Folder 12 - Guia Para Los Mamiferos de Venezuela (1st half)**

**Folder 13 - Guia Para Los Mamiferos de Venezuela (2nd half)**

Contains scientific name, identification, dental, habitat and behavior, diet, and abundance information with distribution map for 293 mammals. Mostly in Spanish, with some descriptions in English. No date, no pagination (approximately 300 typewritten pages).

**Folder 14 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord (1st part)**

**Folder 15 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord (2nd part)**

**Folder 16 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord (3rd part)**

**Folder 17 - Guia Para La Identification De Los Mamiferos De Venezuela, por Rexford D. Lord  
(corrections and publisher correspondence)**

Includes introduction, explanation of organization, recognition, list of mammals, drawings, key to the orders of mammals, descriptions, bibliography, and index. 119, 237 p., typewritten. With typed list of information needed or corrections to be made and correspondence with publisher, 1985. In Spanish.

**Folder 18 - Other Publications by Rexford D. Lord Jr.**

The Lens As An Indicator of Age In Cottontail Rabbits (Journal of Wildlife Management, v. 23, no. 3, July 1959, p. 358-360)

Prepared by:

Barbara L. Wiemann

December 26, 2016

**Collection 11**  
**Collected Research**  
**3 Boxes**

Note: This collection includes research not conducted by the Wildlife Information Center. This material was collected by others or donated to the Center to make it available to researchers.

**11.1 Sheep Mountain Wildlife Survey, 1978, by Dan R. Kunkle (Franklin Twp., Carbon Co.)**

Folder 1 - index cards for 1978-1984; 1979-1980, 1980-1981 notes; diary pages for 1980 and 1984; check lists for 1993 (with map), 1994, and 1995; biodiversity study, Aug. 1994; composite list of birds

Folder 2 - bound journal for 1994

Folder 3 - bound journals for 1979-1995 and 1996-2001

**11.2 Bird Censuses, Counts, Notes by Observers**

**Box 1**

Folder 1 - Lehigh County bird checklists (2 by Lehigh Valley Bird Club, undated and 1956, and 1 by Lehigh Valley Audubon Society, undated) and 1 published article (Bird Life in Lehigh County in Pioneer Days, by Harry Bailer, 1923)

Folder 2 - Lehigh County Christmas bird counts, 1944-1969, by Lehigh Valley Bird Club

Folder 3 - Reports by Lehigh County birders, collected by Donald Heintzelman, chiefly in late 1960s

Folder 4 - Thomas Armentano, Allentown

Folder 5 - Ruth Farr, Alburdis

Folder 6 - Carl Montgomery, Allentown

Folder 7 - Tom and Mickie Mutchler, Bethlehem

Folder 8 - Edward Reed, University Park (notes from various locations)

**Box 2**

Folder 9 - Barton M. Snyder, Allentown

Folder 10 - Linda Freedman (and others), Bethlehem, 2000 (Archibald Johnson Conservation Area, Nisky Hill Cemetery, and Monocacy Nature Trail)

Folder 11 - Miscellaneous field data sheets by various observers at various locations - Bear Rocks, 1965-1973 (77 days); Lehigh Furnace Gap (11 days, 1966-1973); Wagner's Gap, 1952-1969 (8 days); Pinnacle, 1974 (1 day); Tode Gap, 1965 (1 day); Big Rock, 1973 (4 days); Blue Mt. Rt. 183, 1973 (1 day); Little Gap, 1996-1997 (2 days); Blue Mt. Summit (PA 309), 1997 (2 days)

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